

FEDERAL ITEM IDENTIFICATION GUIDE

LABORATORY EQUIPMENT AND SUPPLIES

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

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c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode Code</u>	<u>Requirement</u>	<u>Example</u>
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
Adapter		
1. (Mechanical) Any modifying part, piece, or device, designed to facilitate connection, provide accommodation, enable application, and to broaden or permit the use of a given item with an unlike item of mechanical equipment when the two items are not designed for direct mating to each other.		
ADAPTER (1), LABORATORY CENTRIFUGE TUBE	17097	BP
A cylindrical device that may have trunnion pivots or journals, designed to accommodate, support and position simultaneously smaller size tubes, funnels and the like during centrifugation. For items specifically designed for singular accommodations, see SHIELD, LABORATORY CENTRIFUGE TUBE.		
BASKET, TEST TUBE	16928	PB
BASKET, ULTRASONIC CLEANER, OPHTHALMOLOGICAL	46653	PB
An item designed for use in an ultrasonic cleaner to hold prepared optical lenses during the cleaning process.		
BATH, CONSTANT TEMPERATURE	32951	JA
An item consisting of a reservoir and a temperature control device. It utilizes a liquid media to heat or control samples used in laboratory testing of organic coatings, asphalt and petroleum products. It can also be used to verify the accuracy of temperature sensors or instruments. It may include such components and accessories as water jackets, heaters, cooling coils, circulating pumps, bombs, and racks. Excludes WATER BATH, ELECTRIC and WATER BATH, NONELECTRIC.		
BEAD, LABORATORY	17210	BC
BLENDER, LABORATORY	41351	LB
An item used for pulping, mixing and blending specimens or solutions to obtain a homogeneous mass in laboratory and radiology procedures. Excludes FOOD BLENDER, ELECTRIC and MIXER, LABORATORY.		
BLOTTER, ELECTROPHORESIS	42784	AG
An item used to remove excess buffer or reagents during electrophoresis procedures such as cellulose acetate. May be absorbent paper.		
BLOWTORCH, ALCOHOL	03388	HB
An item consisting of an air reservoir, fuel reservoir, wick holder, nozzle and pumping features. It is designed to pressurize and intensify alcohol combustion by means of an air blast.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
BULB, DROPPING PIPET	23158	BH
BURNER, GAS, LABORATORY	16915	HA

Cabinet

1. An item consisting of an inclosed frame that is provided with drawers, door(s), or both which give access to the inclosure. If it is with a door(s), the inclosure may contain shelves, panels, or other devices for holding articles. The entire item must be inclosed or a small portion of the lower end may be completely open so that the item is supported on short legs or other small corner supports.

CABINET, CONSTANT TEMPERATURE	17198	EB
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An insulated enclosure consisting of a temperature control device, heater and/or cooling coils, doors, shelves or racks. It is designed to heat or cool chemicals, reagents and laboratory samples in preparation for laboratory testing; or for storage at prescribed temperatures. For items designed to grow cultured specimens, see INCUBATOR, BACTERIOLOGICAL.

CABINET, DESICCATING	11339	EC
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A gas-tight enclosure which is usually provided with shelves, drawers or desiccant trays. It is without means of heating.

CABINET (1), MICROSCOPE SLIDE	38584	ED
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A cabinet normally constructed of wood or metal with drawers or trays for storing slides. Excludes BOX, MICROSCOPE SLIDE.

CABINET, SOLUTION WARMING	13996	EB
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An item normally constructed of metal. May have drawers, doors and/or shelves. It is equipped with a controlled heating device for the purpose of warming flasks containing sterile fluids.

CAP, MICRO SAMPLE CUP	37321	BA
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An item designed for permanent installation during system operation to fit over a CUP, MICRO SAMPLE, AUTOMATED ANALYSIS. It can be nonpierceable or pierceable to permit penetration by a pipet tip at sample aspiration.

CARRIER, LABORATORY CENTRIFUGE, MULTIPLE	20321	BE
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A device of various shapes with trunnion pivots and multiple openings used to accommodate laboratory vessels during centrifugation.

CARTRIDGE, DEIONIZER, HYDROGEN GENERATOR	40834	BQ
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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CARTRIDGE, LABORATORY GAS BURNER	29102	BQ

A disposable, cylindrical nonrefillable container with pressurized liquefied petroleum fuel used with a BURNER, GAS, LABORATORY.

CARTRIDGE, WATER DEMINERALIZER, ION EXCHANGE	31566	BB
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An item used as a replacement cartridge for a DEMINERALIZER, WATER, ION EXCHANGE.

CASE, FILTER CASSETTE	53391	AA
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An item used for dust, asbestos fibers, and aerosol sampling. It comes with a variety of filter discs, and different size diameters, which can be selected for various sampling applications. May also be used with a variety of filter media.

CASSETTE, FILTER	53390	AA
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An item designed for use with the sampling pump accessories and air sampling equipment. It can be used for asbestos, personal sampling, and many other different contaminants in various applications. Item comes in different diameters of sampling discs sizes to accommodate sampling needs.

CHAMBER, ENVIRONMENTAL TESTING	39657	EF
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A chamber designed exclusively to perform controlled tests under simulated environmental conditions to determine physical changes or damage to items under test due to humidity, immersion, moisture, altitude thermal shock, sand, dust, etc..

CLAMP, LABORATORY SUPPORT ROD	17463	DC
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A device designed for holding support rods in a definite position with reference to each other. Excludes CLAMP, UTILITY, LABORATORY.

CLAMP, RUBBER TUBING, REGULATING	13455	MA
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CLAMP, RUBBER TUBING, SHUTOFF	13456	MA
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CLAMP, UTILITY, LABORATORY	21996	RA
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A device consisting of one or two sets of spring loaded jaws, and either an extension rod, for attaching to support rod by means of a laboratory support rod clamp, or other means for direct attachment to a supporting rod or shelf. Excludes CLAMP, TEST TUBE; CLAMP, TUBING; and CLAMP, LABORATORY SUPPORT ROD.

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
CLOTH, LENS	20336	AF

A plain, balanced woven material having a high sley. If is chemically treated to aid in the removal of grease, soil and grit from optical lenses, glass equipment, or other finely polished surfaces, without causing injury to them.

CONDENSER, LABORATORY	19430	CB
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A device, usually cylindrical in shape, composed of an internal tube surrounded by an outer jacket. The tube may be straight, coiled, repetitiously bulbous or indented and must have an inlet and outlet for the condensing vapors. The jacket must have an inlet and outlet, in the form of male side tubulations, for the regular flow of the coolant. Used for condensing vapors to a liquid state in refluxing, extracting and distilling operations. Excludes DISTILLING COLUMN, FRACTIONATING.

COVER GLASS, MICROSCOPE SLIDE	18908	AA
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A piece of very thin glass used to cover microscopic preparations mounted on glass slides.

COVER, RACK, TEST TUBE, LABORATORY	53388	PB
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An item used to cover a test tube rack. It may have an exclusive spring lock.

COWL, FILTER CASSETTE CASE	53387	AA
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An accessory item which is used as part of the cyclone assembly of the sampling pump. It is used for loading empty sampling cassette cases and for selecting a variety of combinations of sampling media.

CUP, FUSION	51848	AF
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An item designed to be used as part of a peroxide combustion bomb for use in the laboratory to ignite or fuse chemicals during sample treatment procedures. Also capable of handling almost any corrosive media or accommodating situations in which a large number of tests are performed on a routine basis. Parts may be inter-changeable so that the bombs can be assembled by using any cap and cover combination.

CUSHION, LABORATORY CENTRIFUGE VESSEL	32960	BF
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An item consisting of natural or synthetic material of resilient mass, molded or cut into various shapes. It is designed to fit the bottom inside cavity of shields, carriers, adapters, and the like. It prevents shock, absorbs liquids, and minimizes breakage of laboratory vessels from centrifugal force.

DESICCANT CARTRIDGE, HYDROGEN GENERATOR	40843	BQ
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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
DESTRUCTION UNIT, SYRINGE-HYPODERMIC NEEDLE	33179	MB
A manually or mechanically operated machine consisting of needle receptacle(s), syringe receptacle(s), shearing cutter(s), and storage container for destructed parts. It is designed to shear Luer hubs from needles and syringe barrels to prohibit unlawful use.		
DETERGENT, GLASSWARE AND INSTRUMENT, HOSPITAL/LABORATORY	50243	AF
A cleaner of nonspecific chemicals compounded for effective removal of blood, fats and tissue from glass, metal, plastic, rubber and other hard surface materials, such as surgical instruments. Excludes DISINFECTANTS and DETERGENT (as modified).		
DILUENT, AQUEOUS, FERROGRAPHY EQUIPMENT	51854	BR
A mixture of lubricant and distilled water filtered through a 0.45 micron millipore filter. It is for use with the direct reading (DR) and ferrogram makers (FM) for processing aqueous based samples.		
DISK, FILTERING, MICROPOROUS	30650	BD
A device formed of a filtering medium with a uniform cellular structure designed to remove microsize particulate materials from air or fluids.		
DISK, PERFORATED, CRUCIBLE-FUNNEL	12841	AA
A circular piece of perforated material for use in crucibles with flanged open bottoms, in funnels to support filtering mats, and on filtering mats to protect the mat from erosion.		
DISPENSER, CULTURE TUBE	42520	AF
A device designed to hold and individually dispense disposable culture tubes. May be wall mounted and have transparent filling chute for various size culture tubes.		
DISPENSER, PARAFFIN	42521	GD
A unit designed to dispense paraffin for tissue embedding procedures.		
DISPENSER, PIPETTE	51460	AF
A fitted item with special tips which can be calibrated to provide measured amounts of liquids in increments of 1 ml; used for oil analysis and sampling.		

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DISPENSER, SENSITIVITY DISC, DIAGNOSTIC	51886	AF
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A single disk device designed to be placed anywhere on the surface of the plate. It is particularly useful for adding additional antimicrobial agents to establish patterns in routine studies or when new antimicrobial discs are under special study. This item is compatible for use with microbiology system.

DISTILLING APPARATUS, LABORATORY	17191	EA
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Excludes petroleum distillation test apparatus.

DRAWER, FILE, LABORATORY	39658	EE
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An item specifically designed to hold embedding cassettes, rings and blocks. May be stackable for multiple use.

DRYING APPARATUS, VACUUM	19431	CA
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Excludes DESICCATOR and MICRODESICCATOR. See also DRYING CHAMBER, VACUUM.

DRYING CHAMBER, VACUUM	19429	CC
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An item made of glass or metal and consisting of a test tube-like container which forms part of a drying assembly when connected to a vacuum chamber. The container may be surrounded by a constant temperature jacket in which heated or cooled vapors circulate. The jacket has an inlet and outlet in the form of side-arms.

EXTRACTION ASSEMBLY	17208	BT
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An assembly consisting of a condenser, an extractor and boiling flask which is used in laboratory extracting procedures.

FERROGRAM MAKER TUBES, FERROGRAPHY EQUIPMENT	51851	BF
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An item designed for use on the ferrogram maker (FM) for drawing prepared oil sample from sample vial to substrate. Excludes TURRENT TUBES, FERROGRAPHY EQUIPMENT.

FILM, INSTANT PRINT, FERROGRAPHY EQUIPMENT	51849	BF
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A color film designed for use in the film holder of the ferroscope for taking instantaneous photographs of ferrograms.

FILTER, SAFETY AID, PIPET	53389	BR
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A disposable, hydrophobic, replacement item used as a barrier to prevent accidental contamination. It is compatible for use with the safety pipetting aid.

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
FILTER UNIT, MICROPOROUS	41087	BR
An item designed to hold a DISK, FILTERING, MICROPOROUS so that when air, gases or fluids pass through, contaminants are left on the surface of the filtering disk.		
FIXER OIL, FERROGRAPHY EQUIPMENT	51855	BF
A liquid compounded item consisting of a tetrochloroethylene (reagent grade), or chlorine free, non-carcinogenic which is filtered through a 0.45 micron millipore filter. It is designed for use with the direct reading (DR) ferrographs and ferrogram makers (FM) used for processing oil based samples.		
FOUNTAIN, EYE AND FACE WASH	37924	NB
A self-contained unit which can be bench or wall-mounted. Water is expelled in criss-cross streams to simultaneously flood the face and both eyes in emergency situations.		
FUNNEL, SEPARATORY	19425	AB
A vessel, with a stopcock at one end and usually a stopper at the other, used for sampling, mixing and separating liquids.		
FURNACE, COMBUSTION TUBE, LABORATORY	18958	GB
An item designed to provide continuous temperatures for heating specimens in laboratory combustion tubes.		
FURNACE, MUFFLE, LABORATORY	48727	EB
An apparatus with a heated chamber designed to radiantly heat the contents of the chamber. This item is capable of generating extremely high temperatures.		
GREASE SOLVENT, FERROGRAPHY EQUIPMENT	51852	BR
An item consisting of an aromatic, aliphatic, essentially non-polar blend of toluol and hexane. It is designed to break grease samples down into liquids for ferrographic analysis.		
GRID, WIRE GAUZE, LABORATORY	13578	QA
HEAD, LABORATORY CENTRIFUGE	13442	KA
HOLDER, FILTERING CRUCIBLE	18870	DD
A device specifically designed to mechanically accommodate, suspend and position a filtering crucible within the bell of a funnel or the mouth of a flask.		
HOLDER, WATER DETECTOR PAD	51461	DD
A device specifically designed to hold the pad while the fuel sample passes through it and to prevent impingement of incoming fuel on the center of the item.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
HOOD, SEALING, BOTTLE	10240	BM
A cup-shaped item made of various materials normally applied over a bottle cap or stopper closure as an additional protective sealing medium. It has other uses such as protecting threads on pipe-like objects when painting or to prevent the entrance of foreign matter. Excludes compressed gas cylinder cap and SEAL, CAP, METAL.		
INCUBATOR, BACTERIOLOGICAL	17095	EB
INCUBATOR, DRY HEAT	36778	EB
Item is a heating bath without use of liquid for heating samples. Samples are held in a glass or plastic laboratory ware that are supported in a heating block or by beads which distribute the heat.		
LID, ANAEROBIC CULTURE APPARATUS	29101	PD
An item generally consisting of a lid cover, clamp, catalyst reaction chamber, gasket, and thumbscrew used to seal an anaerobic jar in insolation and cultivation of anaerobic microorganisms.		
MARKING PEN, GLASS, FERROGRAPHY EQUIPMENT	51462	AH
An item with a fine tip containing black indelible ink designed to be used for identifying sample bottles and ferrograms.		
MICROTOME	18735	GC
A manually or electrically driven instrument for cutting specimens of organic tissues, bone, wood or soft metal for microscope examination.		
Mill		
1. A machine designed to grind, by various methods, a solid substance into smaller particles.		
MILL (1), BALL AND JAR, LABORATORY	18999	GA
A mill employing a rotating wide mouth jar partially filled with balls or pebbles.		
MIXER, LABORATORY	32938	LB
A mechanical device consisting of a power-driven shaft with a mounted beater that is designed to be used with a mixing bowl or mixing head that is designed to accommodate laboratory vessels such as tubes and flasks. It is used to prepare liquid emulsions, dissolve low soluble solids, and mix dry materials.		
MORTAR AND PESTLE	12799	FA
A device consisting of a receptacle of various shapes and materials, and a rod operating therein, used for comminuting, grinding and mixing.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
Oven		
1. A chamber of brick, stone, metal, or the like, used for baking, heating, or drying; hence, any hot air chamber used for such purposes. Use application modifiers.		
OVEN (1), LABORATORY	17096	EB
An oven used in laboratory procedures to remove moisture from materials which are being tested.		
OVEN, LABORATORY, MICROWAVE	38771	EB
An item using ultra-high frequency, electromagnetic radiation, and designed for rapid drying, evaporation, chemical digestion, dry ashing, and other laboratory applications. Excludes OVEN, MICROWAVE.		
PERCIPITATOR TUBE ASSEMBLY, FERROGRAPHY EQUIPMENT	51463	AH
An item consisting of a glassware type tube with attached polyethylene and drain assemblies which are used in the direct reading of ferrography in oil analysis.		
PLATE, DESICCATOR	16961	AJ
PLATE, ELECTROPHORESIS	39632	AG
An item, such as a porous diaphragm through which liquid flows, needed for separating of bands according to electrophoretic mobility. Provides consistent level of resolution, accuracy and reproducibility. May be acetate or gel type.		
PLATE, SAMPLE WELL, ELECTROPHORESIS APPLICATOR	47608	AG
An item, which is placed in the aligning base, designed for use in conjunction with the applicator when applying samples to cellulose acetate.		
PLATE, SPOT TEST	17206	AG
RACK, FLASK	36930	PA
RACK, PIPET	48412	AG
A framework consisting of a base on which are mounted supporting disks with perforations for inserting pipets or pipettors. It is designed to hold pipets, usually in an upright position, during testing and when not in use. May have tip support to hold tips in organized racks.		
RACK, TEST TUBE, LABORATORY	17078	PA
A device used to hold several test tubes upright when waiting for a chemical reaction or when test tubes are not in use. Excludes RACK, COMPARISON TEST TUBE, LABORATORY.		
RACK, TIP, PIPET	36929	PA

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
READER, MICRO HEMATOCRIT	22044	BF
A device to read the percent of red blood cells in plain and/or heparinized capillary tubes after centrifuging.		
RING, CORK, LABORATORY	17082	QC
An item designed to protect laboratory vessels coming in contact with a laboratory table top.		
RING, LABORATORY APPARATUS SUPPORT	13651	BK
RING, LABORATORY CENTRIFUGE TRUNNION	13629	BN
A through hole device, with opposite side pivots, primarily designed to support a laboratory shield(s) in a trunnion head during centrifugation.		
ROD, STIRRING, LABORATORY	18767	AE
A definite length of chemically inert material with finished ends.		
ROTOR, CENTRIFUGE	42736	BU
A rotating device designed to hold bottles, tubes, microplates, microtubes, blood bags, and the like during centrifugation. May have trunnion pivots or journals. Excludes SHIELD, LABORATORY, CENTRIFUGE TUBE and CARRIER, LABORATORY CENTRIFUGE, MULTIPLE.		
SAFETY AID, PIPET	53392	AH
An one-handed, manual control operation device used with pipets that range from 0.1 to 100 ml. It has a single lever to control liquid aspiration and delivery, and a barrier to prevent accidental contamination. May be autoclaved and disassembled for cleaning.		
SCOOP, LABORATORY	41086	AG
A tool designed to hold a sampling of materials prior to analysis. May have a lid.		
SCRAPER, LABORATORY	32961	DA
A hand tool used for scraping precipitates from inside of laboratory vessels. May include rod (handle).		
SHAKING MACHINE, LABORATORY	13440	GA
SHARPENER, MICROTOME KNIFE	52894	GC
An automatic device with variable pressure which includes all the accessories required for coarse and fine honing (final sharpening) and for dressing glass hone plate surfaces when necessary. May include knife sharpener, glass honing plates, fine abrasive liquid, honing glass compound, wood inspection block, and the like. This item is compatible for use with KNIFE, MICROTOME.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
SHIELD, HEAT, DISTILLING FLASK	13352	BJ
A flat piece of fireproof material with a hole in the center designed primarily to expose only the specified area of a flask bottom to the heat source used in distillation tests. The center hole may have a bevel recess at the top.		
SHIELD, LABORATORY CENTRIFUGE TUBE	17197	BG
A cylindrical device, that may have trunnion pivots or journals, designed to singularly hold various type laboratory vessels during centrifugation. For items designed to accommodate multiple like vessels, see CARRIER, LABORATORY CENTRIFUGE, MULTIPLE.		
SHIELD, SAFETY, LABORATORY	24103	NB
An item designed to be placed in front and/or around laboratory apparatus and equipment to protect workers from accidental explosions or broken connections during experimental or routine operations. May include mounting facilities.		
SLIDE, MICROSCOPE	17207	AG
SLIDE SPINNER, BLOOD CATCH BASIN, LABORATORY #	38981	AA
An item designed to catch surplus blood from a slide after a spinning rotation.		
SPATULA, LABORATORY	17490	DA
A device consisting of a handle with a blade on one or both ends or with a blade on one end and a spoon on the other, made of porcelain, metal, or other material resistant to chemical attack. It is used to spread, mix, or convey powders or semi-solid materials. Excludes SPATULA.		
SPOON, MEASURING	46405	AG
An item, usually molded, designed to dispense granular reagents prior to chemical analysis of water sample.		
SPREADER, BACTERIAL CELL	53385	AA
A device used to evenly and rapidly distribute bacterial cells and prevents agar surface tears during bacteriological testing. May be cleaned and autoclaved repeatedly for multiple uses.		
STAND, LABORATORY APPARATUS SUPPORT	17190	NA
STIRRER, ELECTRIC, LABORATORY	17201	LA
STROP, MICROTOME KNIFE	18752	GC
An item used for honing and finishing microtome knives and razors. Designed to give a final edge when needed for quality sectioning.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
SUBSTRATE, SCANNING ELECTRON MICROSCOPE	51464	AG

A black opaque item constructed of highly conductive like material designed for use in making ferrograms for microscopic examination.

SWAB TEST, SANITATION MONITORING	53386	AA
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A self-contained, single service test which consists of a write-on label, a premoistened swab with a biofilm breaking agent, a yellow liquid breaking solution that releases and stabilizes the ATP, a clear liquid buffering solution to neutralize any detergents found in the sample, and luciferin-luciferase which is tableted to extend shelf life and stability. The item is designed to perform monitoring of sanitation effectiveness and for collected samples that are stable for up to 6 hours before reading. It may be used with a hand held, battery powered analyzer or other analyzers.

TEMPERATURE BATH, ELECTRIC #	35188	JA
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An item equipped with thermostat-controlled refrigerating and/or heating element(s) to maintain the respective temperature required for various types of bath media. The item is designed for the calibration of temperature measuring instruments. Excludes WATER BATH, ELECTRIC.

THIMBLE, EXTRACTION	12795	AK
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A tubular receptacle, either entirely porous or with a porous bottom, used to hold material being extracted by flowing solvents.

TIP, SAMPLE, ELECTROPHORESIS APPLICATOR	46618	AG
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A small cylindrical item needed to hold samples, specifically designed for the applicator to ensure cellulose acetate contact.

TONGS, LABORATORY	17461	DB
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TRIANGLE, WIRE, LABORATORY	13635	QB
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TRIPOD, LABORATORY APPARATUS	13652	BL
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A supporting device consisting of a ring resting upon three legs. It may have concentric inner rings or grid. Excludes TRIPOD, LABORATORY GAS BURNER.

TUBE, CAPILLARY, CENTRIFUGE #	36557	AC
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Specially designed capillary tube used in conjunction with a centrifuge to produce sedimentation rate analysis. Excludes TUBE, CAPILLARY, BLOOD SAMPLE and TUBE, CENTRIFUGE.

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
TUBING, SAMPLE, FERROGRAPHY EQUIPMENT	51465	BF

An item which is cut to desired length, in the field, and is used in conjunction with the sample pump to pull oil samples from equipment which do not contain a sampling valve. The cut section of the tube is discarded after the sample is pulled in order to avoid contamination of the subsequent sample.

TUBING, TRANSFER, BLOOD SAMPLE TO ANALYZER	42727	BF
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A small round open ended flexible capillary tube designed to bring samples from a variety of collection devices to the instrument.

TURRENT TUBES, FERROGRAPHY EQUIPMENT	51850	BF
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An item designed for use on the dual ferrogram maker (DFM) for drawing prepared oil sample from sample vial to substrate. Excludes FERROGRAM MAKER TUBES, FERROGRAPHY EQUIPMENT and TUBING, SAMPLE, FERROGRAPHY EQUIPMENT.

VORTEX MIXER, LABORATORY	36344	GA
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The mixing action of the laboratory mixer shall result from the motor rotation through mechanical linkages causing the cup receptacle to oscillate in an elliptical or circular orbit with revolving (whirlpool) motion. Excludes SHAKING MACHINE, LABORATORY.

WASH, AQUEOUS, FERROGRAPHY EQUIPMENT	51853	BR
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A mixture of isopropyl alcohol and distilled water filtered through a 0.5 micron millipore filter. It is for use with the direct reading (DR) and ferrogram makers (FM) for processing aqueous based samples.

WATCH GLASS, LABORATORY	16964	AH
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WATER BATH, ELECTRIC	20327	JA
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An item consisting of electric heating element(s) and a water reservoir, designed for use in the laboratory for making test(s), such as digestion, evaporation, sterilization and melting by means of heating specimens contained in beakers, flasks, test tubes and the like. Excludes WATER BATH, NONELECTRIC.

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	<u>AA</u>	<u>AB</u>	<u>AC</u>	<u>AE</u>	<u>AF</u>	<u>AG</u>	<u>AH</u>	<u>AJ</u>	<u>AK</u>
NAME	X	X	X	X	X	X	X	X	X
MATL	AR	AR	AR	AR	AR	AR	AR	AR	AR
BLYH									X
ATYR	AR	AR	AR	AR			AR	AR	AR
ATYS	AR	AR	AR	AR			AR	AR	AR
SHPE	AR						X		
STYL		X							
BQLQ		X				AR			
BLYL		AR							
BLYR		X							
AWCZ		AR							
APSK		AR							
BLYX		AR							
BHDC		AR							
BLZD		AR							
BLZG		AR							
BLZH			X#						
ATYP			X#	X					
BLZW						AR			
BLZZ						AR			
BMBB						AR			
BMBG						AR			
AZNW									AR
HUES						AR			
ABKT								X	
AZNZ	AR							X	
BMBQ							X		
AAVU							AR		
ABHP	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADAV	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADUM	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABKW	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABKV	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFEF	AR	AR	AR	AR	AR	AR	AR	AR	AR
AARX	AR	AR	AR	AR	AR	AR	AR	AR	AR
ALZD		AR	AR#	AR					
AAXX					AR				
AKYD	AR						AR		
CBBL	AR	AR	AR	AR	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR	AR	AR	AR

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CRTL	AR	AR	AR	AR	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR	AR	AR	AR	AR

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	<u>BA</u>	<u>BB</u>	<u>BC</u>	<u>BD</u>	<u>BE</u>	<u>BF</u>	<u>BG</u>	<u>BH</u>	<u>BJ</u>	<u>BK</u>
NAME	X	X	X	X	X	X	X	X	X	X
MATL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SHPE					X	AR				
BQLQ	AR	X						X		
APQB				AR						
ACVZ	AR									
BMYM	AR									
AFJE						AR				
ABHP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABKW	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADAV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADUM	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AARX	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADJU	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ABKV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
BPSD		X								
ARQS			X							X
BPSF				X						
BPSH				X						
ADNH				X						
ADNG				X						
CRMZ				X						
HUES				AR						
BPSJ				X						
BPSL					X					
AAUB					AR					
BPSN					X		X			
NMBR					AR		AR			
BQDY						AR				
ACSV								X		
ADYT									X	
BQDX									X	
AJQL									AR	
AEJZ									AR	
BQFD										X
BQFF										AR
BQFH										AR
BQFJ								X		
CBBL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
BNBT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
BPBB	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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ELRN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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	<u>BL</u>	<u>BM</u>	<u>BN</u>	<u>BP</u>	<u>BQ</u>	<u>BR</u>	<u>BT</u>	<u>BU</u>
NAME	X	X	X	X	X	X	X	X
MATL		AR		AR	X	AR	X	AR
SHPE					X			
BQLQ					AR	AR	X	
APQB						AR		X
ATPJ								X
ATPM								X
ATPR								X
ADVR								X
AFJE			AR	X	AR			AR
BNMH						AR		
ABHP	AR	AR	AR	AR	AR	AR		AR
ABMK	AR	AR	AR	AR	AR	AR		AR
ABKW	AR	AR	AR	AR	AR	AR	X	AR
ADAV	AR	AR	AR	AR	AR	AR		AR
ADUM	AR	AR	AR	AR	AR	AR		AR
AARX	AR	AR	AR	AR	AR	AR	X	AR
ADJU	AR	AR	AR	AR	AR	AR		AR
ABKV	AR	AR	AR	AR	AR	AR		AR
BPSF						X		
BPSH						X		
ADNH						AR		
CRMZ						AR		
ABKT				X				
AZNZ				X				
BPSN				AR				
NMBR				AR				
ALQF	X							
BQFK	AR							
BQFM	X							
AKYD						AR		AR
CBBL	AR	AR	AR	AR	AR	AR	AR	AR
BNBT	AR	AR	AR	AR	AR	AR	AR	AR
BPBB	AR	AR	AR	AR	AR	AR	AR	AR
CHKK							X	
BQFZ							AR	
FEAT	AR	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR	AR

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GENERAL INFORMATION
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ZZZV	AR	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR	AR	AR	AR

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	<u>CA</u>	<u>CB</u>	<u>CC</u>
NAME	X	X	X
MATL	AR	AR	
ATYR	AR	AR	
ATYS	AR	AR	
AJCA	X		X
AJDQ	X		
BQFT	AR		
BQFW	X	X	
BQFX	X		
BQFZ	AR		
BQFY		X	
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
ENAC	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
CBME	AR	AR	AR
AGAV	AR	AR	AR
SUPP	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR
HZRD	AR	AR	AR

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	<u>DA</u>	<u>DB</u>	<u>DC</u>	<u>DD</u>
NAME	X	X	X	X
STYL	X	X	X	X
AARX	AR	AR	AR	AR
ABKV	AR	AR	AR	AR
ABRY	AR	AR	AR	AR
ABWJ	AR	AR	AR	AR
AEAE	AR	AR	AR	AR
AEAF	AR	AR	AR	AR
BNGM	AR	AR	AR	AR
BNGN	AR	AR	AR	AR
BNGP	AR	AR	AR	AR
BNGQ	AR	AR	AR	AR
MATL		X	AR	AR
AJLC	AR			
AFYH	AR			
BQFS	AR			
ABHP		X		
ASYY		X		
BDLR		AR		
AFTB		AR		
SURF		AR	AR	
CBBL	AR			
FEAT	AR	AR	AR	AR
TEST	AR	AR	AR	AR
SPCL	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR
CRTL	AR	AR	AR	AR
ENAC	AR	AR	AR	AR
PRPY	AR	AR	AR	AR
ELRN	AR	AR	AR	AR
ELCD	AR	AR	AR	AR
CBME	AR	AR	AR	AR
AGAV	AR	AR	AR	AR
SUPP	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR
CXCY	AR	AR	AR	AR
HZRD	AR	AR	AR	AR

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	<u>EA</u>	<u>EB</u>	<u>EC</u>	<u>ED</u>	<u>EE</u>	<u>EF</u>
NAME	X	X	X	X	X	X
MATL	AR			X	X	X
SURF				AR		AR
HUES				AR		AR
AFPM	X					AR
AWLP	X					
AFPV				AR		AR
CBWH				X		AR
BQLQ	X					
BNNF				X		AR
BNNG				X		AR
AFPP				AR		AR
ARQT				AR		AR
ASQJ		X				AR
AZZH		X				AR
BDWT	AR	AR				AR
BQLS	AR	AR				AR
BGST	AR	AR				AR
ACDC	AR	AR				AR
AMSE	AR	AR				AR
ACZB	AR	AR				AR
FAAZ	AR	AR				AR
ANPT	AR	AR				AR
AENF	AR	AR				AR
BNDW		AR				AR
BHGT		X				AR
BGXH		X				AR
AQDD	X					
AWCD	AR					
BQLX	X					
AKYN				AR		AR
ABKW	AR	AR	AR	AR	AR	AR
ABMK	AR	AR	AR	AR	AR	AR
ADAV	AR	AR	AR	AR	AR	AR
ABFY	AR	AR	AR	AR	AR	AR
AFMW	AR	AR	AR	AR	AR	AR
ADJV	AR	AR	AR	AR	AR	AR
BCXB	AR	AR	AR	AR	AR	AR
AFMQ	AR	AR	AR	AR	AR	AR
ADJT	AR	AR	AR	AR	AR	AR
AFEF	AR	AR	AR	AR	AR	AR
BQLZ	AR	AR	AR	AR	AR	AR
BQMB	AR	AR	AR	AR	AR	AR
BQMD	AR	AR	AR	AR	AR	AR
BQMF	AR	AR	AR	AR	AR	AR
BLST		X				AR
BQMH		AR				AR
BQMJ		AR				AR
BQML		AR				AR
BHJQ				X		AR
BQMN		AR	AR			AR
BQMP		AR	AR			AR
BQMR		AR				AR

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BQMS		AR				AR
BQMT		AR				AR
BQMW		AR				AR
AYHJ				AR	X	AR
BGZL		AR	AR			AR
BGZM		AR	AR			AR
BPYK		AR	AR			AR
BQWH		AR	AR			AR
BCBP			AR	AR	X	AR
CWZY						X
BQWN		AR				AR
BQWP		AR				AR
BQWQ		AR				AR
BQWR		AR				AR
AKYD	AR	AR	AR	AR	AR	AR
AQZF		X				AR
BQWX	X					
BQWY	X					
AAXX	AR					AR
AFJU	X					AR
FEAT	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR
HZRD	AR	AR	AR	AR	AR	AR

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	<u>FA</u>
NAME	X
ANEH	AR
BNCB	AR
BNCC	X
BQLQ	AR
BLNK	AR
ABKW	AR
AARX	AR
AFEF	AR
BNCG	X
MATL	AR
BNCH	AR
BNCK	AR
AFYH	AR
ABHP	AR
BNCL	AR
CBBL	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
ENAC	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
AGAV	AR
SUPP	AR
ZZZP	AR
ZZZV	AR
CXCY	AR
HZRD	AR

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	<u>GA</u>	<u>GB</u>	<u>GC</u>	<u>GD</u>
NAME	X	X	X	X
APQB	X		X	X
BJXG	X			
BNCN	AR			
AAGK	X			
CMHH		X		
ARNF		AR		
ACSV		AR		
ABHS		AR		
AEHZ		X		
ACDC	AR	AR	AR	X
BBLT				X
AMSE	AR	AR	AR	X
ACZB	AR	AR	AR	AR
ANPT	AR	AR	AR	AR
ABHP	AR	AR	AR	AR
ABKW	AR	AR	AR	AR
ABMK	AR	AR	AR	AR
ADAV	AR	AR	AR	AR
AEJU	X			
AKYD	AR	AR	AR	AR
FEAT	AR	AR	AR	AR
TEST	AR	AR	AR	AR
SPCL	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR
CRTL	AR	AR	AR	AR
ENAC	AR	AR	AR	AR
PRPY	AR	AR	AR	AR
ELRN	AR	AR	AR	AR
ELCD	AR	AR	AR	AR
CBME	AR	AR	AR	AR
AGAV	AR	AR	AR	AR
SUPP	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR
CXCY	AR	AR	AR	AR
HZRD	AR	AR	AR	AR

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	<u>HA</u>	<u>HB</u>
NAME	X	X
APQB	X	
BHJT	X	X
AXGY	AR	AR
ARZR	AR	AR
AWET	AR	AR
BNCQ	AR	AR
BNCR	AR	AR
BNCS	AR	AR
APGF	X	
BNCT	X	
BNCW	X	
BNCX	AR	
BNCY	AR	
BNCZ	X	X
BNDB	X	AR
ANXM	AR	AR
ANFG	AR	AR
BNHS		AR
FUEL	X	AR
CMRG		X
AXEL		X
BNDD	AR	AR
AKYD	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
ENAC	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
CBME	AR	AR
AGAV	AR	AR
SUPP	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR
HZRD	AR	AR

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JA

NAME	X
BNDF	AR
SHPE	AR
BBLT	AR
ADJU	AR
ADJT	AR
AARX	AR
AFEF	AR
BNDG	AR
BNDH	AR
BNDJ	AR
BNDK	AR
AEMW	AR
AFER	AR
BNDL	AR
AAJU	AR
AAJV	AR
AAJW	AR
AAJT	AR
AJXW	AR
BNDM	X
NMBR	AR
MATL	AR
SURF	AR
ANYW	AR
BNDN	AR
LGTH	AR
WDTH	AR
DMTR	AR
ABRN	AR
AFYG	AR
BKGK	X
BDXJ	AR
BBJZ	AR
BKGR	AR
BNDP	AR
BBKB	AR
BBTG	AR
BNDQ	X
ACDC	AR
AMSE	AR
ACZB	AR
FAAZ	AR
BDWW	AR
AFGA	X
BNDR	X
BNDS	AR
BNDT	X
BNDW	X
AAXX	AR
AHGR	X
AQSE	AR
BNDX	X

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

AXPY	AR
BNDY	X
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
ENAC	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
AGAV	AR
SUPP	AR
ZZZP	AR
ZZZV	AR
CXCY	AR
HZRD	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>KA</u>
NAME	X
APQB	X
ATPJ	X
AFJE	AR
ADAV	X
ABTB	X
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
ENAC	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
AGAV	AR
SUPP	AR
ZZZP	AR
ZZZV	AR
CXCY	AR
HZRD	AR

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	<u>LA</u>	<u>LB</u>
NAME	X	X
APGF		X
BNFC		AR
BNFD		AR
BNFF		AR
ANYW		AR
BNFG	AR	
ATPR	X	X
BNFH	X	X
BNFJ	AR	AR
BNFK	X	
AAXX		X
AXGY	AR	
BNFN	X	
BNFL	AR	
AREG	AR	
BGXR	X	X
AMSE	AR	AR
ACZB	AR	AR
FAAZ	AR	AR
AHZX	AR	AR
BNFM	X	
AHFY	AR	
AEZD	X	
AEEA	AR	
AFYG	X	
AKYD	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
ENAC	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
CBME	AR	AR
AGAV	AR	AR
SUPP	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR
HZRD	AR	AR

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GENERAL INFORMATION
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	<u>MA</u>	<u>MB</u>
NAME	X	X
MATL	AR	
APQB	X	
ANEH	AR	
ACSV	X	
AXQE	X	
BHHW		X
BYKK		AR
BYKL		AR
ABRY		AR
ABGL		AR
HGTH		AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
ENAC	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
CBME	AR	AR
AGAV	AR	AR
SUPP	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR
HZRD	AR	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>NA</u>	<u>NB</u>
NAME	X	X
MATL		X
SHPE		X
BHJT		X
AXGY		AR
AESH	AR	AR
SURF	AR	AR
BNJT	X	AR
BGKB	AR	AR
BNFP	AR	AR
BNFQ	AR	AR
BNFR	AR	
BNFS	AR	
ABHP	AR	
ADAV	AR	
BNFT	X	
BNFW	AR	
AKYD	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
ENAC	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
CBME	AR	AR
AGAV	AR	AR
SUPP	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR
HZRD	AR	AR

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	<u>PA</u>	<u>PB</u>	<u>PD</u>
NAME	X	X	X
BNFX	X		
BMBK	AR		
BMBM	AR		
BLCN	X		
MATL	AR	AR	X
SURF	AR	AR	
HUES	AR		
ABHP	AR	AR	AR
ABMK	AR	AR	AR
ADAV	AR	AR	AR
ABKW	AR	AR	AR
AKYD			AR
CBBL	AR	AR	AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
ENAC	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
CBME	AR	AR	AR
AGAV	AR	AR	AR
SUPP	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR
HZRD	AR	AR	AR

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

	<u>QA</u>	<u>QB</u>	<u>QC</u>
NAME	X	X	X
BNFY		X	
AQSJ	AR	AR	
BNFZ		X	
BFDJ		AR	
BNGB	AR		
AFTB		AR	
ABHP	AR	AR	AR
ABMK	AR	AR	AR
ABNM	AR	AR	AR
AARX	AR	AR	AR
ABKV	AR	AR	AR
BNGC	AR	AR	AR
BNGD	X		
AGCW	X		
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
ENAC	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
ELCD	AR	AR	AR
CBME	AR	AR	AR
AGAV	AR	AR	AR
SUPP	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR
HZRD	AR	AR	AR

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	<u>RA</u>
NAME	X
MATL	AR
SURF	AR
ASY Y	X
ARQS	AR
BNGG	AR
AFTB	AR
BNGF	X
BNGH	X
AQTG	AR
BNGJ	X
ABSX	AR
BNGK	AR
BNGL	AR
ABHP	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
ENAC	AR
PRPY	AR
ELRN	AR
ELCD	AR
CBME	AR
AGAV	AR
SUPP	AR
ZZZP	AR
ZZZV	AR
CXCY	AR
HZRD	AR

Body

SECTION: A

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED12841*)

ALL*

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDGS0000*; MATLDME0000\$\$DBH0000*; MATLDSTB000\$DSTD000*)

AK

BLYH	D	POROUS MATERIAL LOCATION
------	---	--------------------------

Definition: INDICATES THE LOCATION OF AN ITEM ON WHICH THE POROUS MATERIAL IS LOCATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BLYHDABA*; BLYHDAAB\$DABA*)

REPLY CODE

ABA
AAB

REPLY (AJ91)

BOTTOM
OVERALL

NOTE FOR MRC ATYR: FOR APPLICABILITY KEY AK, IF NOT PROCURED UNDER A MATERIAL SPECIFICATION, GIVE THE TEMPERATURE COEFFICIENT OF LINEAR EXPANSION PER DEGREE CELSIUS BETWEEN 20 AND 300 DEGREES CELSIUS.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

AA*, AB*, AC*, AE*, AH*, AJ*, AK* (See Note Above)

ATYR	B	LINEAR EXPANSION COEFFICIENT PER DEG CELSIUS
------	---	--

Definition: THE CONSTANT THAT REPRESENTS THE CHANGE IN LINEAR EXPANSION CAUSED BY A CHANGE IN TEMPERATURE PER DEGREE CELSIUS.

Reply Instructions: Enter the numeric value. (e.g., ATYRB0.0000033*)

AA*, AB*, AC*, AE*, AH*, AJ*, AK*

ATYS	F	LINEAR EXPANSION COEFFICIENT TEMP RANGE IN DEG CELSIUS
------	---	--

Definition: THE MINIMUM AND MAXIMUM TEMPERATURES TO WHICH THE LINEAR EXPANSION COEFFICIENT APPLIES, EXPRESSED IN DEGREES CELSIUS.

Reply Instructions: Enter the numeric values separated by a slash. Precede negative values with the letter M and positive values with the letter P. (e.g., ATYSFM55.0/P105.0*)

AA*, AH

SHPE	D	SHAPE
------	---	-------

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDCR*; SHPEDCR\$DWB*)

REPLY CODE

Z
CR
AND
WB
SQ

REPLY (AD07)

ANY ACCEPTABLE
CIRCULAR
RECTANGULAR
SPLIT CIRCLE
SQUARE

AB

STYL	L	STYLE DESIGNATOR
------	---	------------------

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the group designator and applicable style number from [Appendix B](#), Reference Drawing Group A. (e.g., STYLLA1*)

AB, AG*

BQLQ	J	LOAD CAPACITY
------	---	---------------

Definition: THE RATED LOAD THAT THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BQLQJAM50.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
CC	LITERS
HN	MICROLITERS
AM	MILLILITERS

AB*

BLYL	G	TOP SIZE
------	---	----------

Definition: DESIGNATES THE SIZE OF THE TOP.

Reply Instructions: Enter the reply in clear text. (e.g., BLYLG13 STD TAPER TOP*)

AB

BLYR	D	STOPPER
------	---	---------

Definition: AN INDICATION OF WHETHER OR NOT A STOPPER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BLYRDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

AB*

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

AWCZ

D

STOPPER MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE STOPPER IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AWCZDGS0000*; AWCZDGS0000\$DRC0000*; AWCZDGS0000\$DPC0000*)

AB*

APSK

J

SCALE RANGE

Definition: AN INDICATION OF THE SCALE RANGE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede negative values with the letter M and positive values with the letter P. (e.g., APSKJEJP0.0/P10.0*; APSKJHUP0.0/P5.0*)

REPLY CODE

HU

CX

EJ

REPLY (AJ20)

CUBIC INCHES

LITERS

MILLILITERS

AB*

BLYX

G

SCALE INTERVAL

Definition: THE VALUE OF THE INTERVALS ON A SCALE.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., BLYXG0.2ML*; BLYXG0.1 ML INTERVAL FROM 0 TO 4 ML; 0.15 ML INTERVAL FROM 0 TO 10 ML*)

AB*

BHDC

D

SCALE GRADUATION TYPE

Definition: INDICATES THE TYPE OF GRADUATIONS PROVIDED ON THE SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BHDCDCE*; BHDCDCE\$DCF*)

REPLY CODE

REPLY (AF63)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		CE	IRREGULAR-DOUBLE
		CF	IRREGULAR-SINGLE
		CG	REGULAR-DOUBLE
		CH	REGULAR-SINGLE

AB*

BLZD G SCALE INTERVAL MARKING LOCATION

Definition: AN INDICATION OF WHERE THE INTERVAL MARKING(S) APPEARS ON THE SCALE.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., BLZDGEVERY FIFTH GRADUATION*; BLZDGEVERY GRADUATION; EVERY FIFTH GRADUATION*)

AB*

BLZG D SCALE GRADUATION PURPOSE

Definition: AN INDICATION OF THE PURPOSE OF THE SCALE GRADUATION(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BLZGDBLY*; BLZGDBLY\$\$DBLZ*; BLZGDBLY\$DBLZ*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
BLY	TO CONTAIN
BLZ	TO DELIVER

AC #

BLZH D FITTED ROD

Definition: AN INDICATION OF WHETHER OR NOT A FITTED ROD IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BLZHDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

AC #, AE

ATYP H END TYPE AND LOCATION

Definition: INDICATES THE END TYPE AND ITS LOCATION ON THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Table 2, and the table below. (e.g., ATYPHAAKAHL*; ATYPHACAAHH\$\$HACCAHH*; ATYPHACBAHH\$HAAKAHH*)

When multiple types are specified for a location, use AND/OR coding (\$\$/). (e.g., ATYPHACAAHL\$\$HACCAHL; ATYPHACBAHN\$HAAKAHN*)*

REPLY CODE

AHH
AHL
AHN

REPLY (AJ91)

BOTH ENDS
ONE END
OTHER END

AG*

BLZW A CAVITY QUANTITY

Definition: THE NUMBER OF CAVITIES ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BLZWA3*)

AG*

BLZZ J CAVITY OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS THE CIRCULAR CROSS-SECTIONAL PLANE OF THE CAVITY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BLZZJAA1.000*; BLZZJLA25.4*; BLZZJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

REPLY (AA05)

INCHES

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS
		<u>Table 2</u> <u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

AG*

BMBB J CAVITY OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF A CAVITY, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BMBBJAA1.000*; BMBBJLA25.4*; BMBBJAB2.495\$\$JAC2.503*)

<u>Table 1</u> <u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u> <u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AG*

BMBG D CAVITY BOTTOM SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE CAVITY BOTTOM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BMBGDAH*; BMBGDAH\$DFL*)

<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
AH	CONCAVE
CN	CONICAL
AL	CONVEX

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		FL	FLAT

AK*

AZNW D BOTTOM DESIGN

Definition: THE DESIGN OF THE BOTTOM OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNWDBCS*; AZNWDBCR\$DBCS*)

<u>REPLY CODE</u>	<u>REPLY (AK39)</u>
A	ANY ACCEPTABLE
AAE	FLAT
BCQ	NOTCHED SKIRT
BCR	OVAL
BCS	ROUND

AG*

HUES D COLOR

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., HUESDAM0000*; HUESDBU0000\$\$DRE0000*; HUESDAM0000\$DCL0001*)

AJ

ABKT A HOLE OR SLOT QUANTITY

Definition: THE NUMBER OF HOLES OR SLOTS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., ABKTA7*)

For each different size hole and/or slot, use AND coding. (e.g., ABKTA4\$\$A4*)

AA*, AJ

AZNZ J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNZJA1.000*; AZNZJL25.4*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC ABKT. (e.g., AZNZJA1.000\$\$JA1.250*)

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

AH

BMBQ

D

CONVEX SIDE RIBBED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A RIBBED FEATURE IS PROVIDED ON THE CONVEX SIDE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BMBQDB*)

REPLY CODE

C
B

REPLY (AB22)

NOT PROVIDED
PROVIDED

AH*

AAVU

A

RIB QUANTITY

Definition: THE NUMBER OF RIBS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AAVUA3*)

ALL*

ABHP

J

OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$\$JAC2.503*)

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ABMK

J

OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ADAV

J

OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495\$\$JAC2.503*)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
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Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ADUM	J	OVERALL THICKNESS
------	---	-------------------

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

NOTE FOR MRCS ABKW, ABKV, AFEF, AND AARX: FOR APPLICABILITY KEY AK, REPLY TO THESE MRCS IF OTHER THAN REPLY CODE PF0000 IS ENTERED FOR MRC MATL.

ALL* (See Note Above)

ABKW	J	OVERALL HEIGHT
------	---	----------------

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABKW)

ABKV	J	OUTSIDE DIAMETER
------	---	------------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA1.000*; ABKVJLA25.4*; ABKVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABKW)

AFEF	J	INSIDE DEPTH
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FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Definition: A MEASUREMENT BETWEEN SPECIFIED INSIDE POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFEFJAA1.000*; AFEFJLA25.4*; AFEFJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABKW)

AARX	J	INSIDE DIAMETER
------	---	-----------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA1.000*; AARXJLA25.4*; AARXJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AB*, AC* #, AE*

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

ALZD

J

STEM LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A STEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ALZDJAA1.000*; ALZDJLA25.4*; ALZDJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AF*

AAXX

D

MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDACE*)

REPLY CODE

ACE

ABM

REPLY (AA78)

BENCH

WALL

AA*, AH*

AKYD

G

ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGINSTRUCTION BOOKLETS, 2*)

ALL*

CBBL	D	FEATURES PROVIDED
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Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDAFM*; CBBLDAQE\$\$DAFM*)

<u>REPLY CODE</u>	<u>REPLY (AN47)</u>
DWV	ABSORBENT
EPB	ACID LEACH GLASS SILICA
CRW	CLEAR
EPC	COARSE POROSITY
AZF	CORROSION RESISTANT
AQE	DISPOSABLE
EPD	DOUBLE PAPER WEIGHT
EPE	EMBRYOLOGICAL
CZW	FLEXIBLE
BCG	INDIVIDUALLY SEALED
EPF	MEDIUM POROSITY
AQP	NONSTERILE
EPG	PRECLEANED
AQS	REUSABLE
DJT	RIGID
EPH	SINGLE PAPER WEIGHT
AHR	SOFT
AFM	STERILE

FIIG T
Section Parts

SECTION: B

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED37321*)

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BM*, BP*, BQ, BR*, BT, BU*

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDAL0000*; MATLDAS0000\$DCX0000*; MATLDAL0000\$DWD0000*)

BE, BF*, BQ

SHPE	D	SHAPE
------	---	-------

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDRT*; SHPEDRT\$DSQ*)

<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
Z	ANY ACCEPTABLE
ACC	CONE
AN	CYLINDRICAL
ALM	PEAR
RT	RECTANGULAR
ASF	SPIRAL
SQ	SQUARE

NOTE FOR MRC BQLQ: FOR APPLICABILITY KEY BB, CAPACITY IS IN GRAINS OF CALCIUM CARBONATE.

BA*, BB, BH, BQ*, BR*, BT

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	BQLQ	J	LOAD CAPACITY

Definition: THE RATED LOAD THAT THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BQLQJAC10.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AC	CUBIC CENTIMETERS
AG	GRAINS
BA	GRAMS
AM	MILLILITERS
AN	OUNCES

BD*, BR*, BU

APQB	D	UNIT TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDATE*; APQBDATE\$DATE*; APQBDATE\$DATE*)

<u>REPLY CODE</u>	<u>REPLY (AK95)</u>
ATD	AEROSOL
CMX	FIXED ANGLE
BGC	HORIZONTAL
ATE	HYDROSOL
CMY	SWINGING BUCKET

BU

ATPJ	A	HEAD PLACE QUANTITY
------	---	---------------------

Definition: THE NUMBER OF PLACES PROVIDED IN THE HEAD.

Reply Instructions: Enter the quantity. (e.g., ATPJA6*)

BU

ATPM	G	PLACE CONTAINER SIZE
------	---	----------------------

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
BA*	Definition: DESIGNATES THE SIZE OF THE CONTAINER THAT EACH PLACE WILL ACCOMMODATE.		
	Reply Instructions: Enter the reply in clear text. (e.g., ATPMG50.0 MILLILITER TUBE*)		
	ACVZ	D	CAP MATERIAL
BA*	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CAP IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ACVZDPC0000*; ACVZDPC0000\$DRC0000*; ACVZDPC0000\$DRC0000*)		
	BMYM	D	CAP COLOR
BU	Definition: THE HUE OR TINT OF THE CAP.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., BMYMDRE0000*; BMYMDBU0000\$DRE0000*; BMYMDRE0000\$DTA0000*)		
	ATPR	B	MAXIMUM SPEED RATING IN RPM
BU	Definition: THE MAXIMUM SPEED AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN REVOLUTIONS PER MINUTE.		
	Reply Instructions: Enter the numeric value. (e.g., ATPRB17000.0*)		
	ADVR	B	ANGLE IN DEG
BF*, BN*, BP, BQ*, BU*	Definition: THE ANGLE FORMED BY THE ANGULAR PORTION OF THE ITEM, EXPRESSED IN DEGREES.		
	Reply Instructions: Enter the numeric value. (e.g., ADVRB34.0*)		

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AFJE	G	SPECIFIC EQUIPMENT ACCOMMODATED
Definition: THE NAME OF THE EQUIPMENT THE ITEM IS SPECIFICALLY DESIGNED TO ACCOMMODATE.			
Reply Instructions: Enter the size and name of the equipment in clear text. (e.g., AFJEG50 ML SIZE TUBE SHIELD*)			

BR*

BNMH	J	FILTER DISK SIZE ACCOMMODATED
Definition: DESIGNATES THE SIZE OF THE FILTER DISK ACCOMMODATED.		
Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BNMHJA0.750*; BNMHJL19.1*)		

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*, BU*

ABHP	J	OVERALL LENGTH
Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.		
Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$\$JAC2.503*)		

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	C		MAXIMUM

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*, BU*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*, BT, BU*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*, BU*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495\$\$JAC2.503*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*, BU*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495\$\$JAC2.503*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*,
BT, BU*

AARX J INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH
THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT
THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., AARXJAA1.000*; AARXJLA25.4*;
AARXJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*,
BU*

ADJU J INSIDE LENGTH

Definition: A MEASUREMENT OF THE LONGEST INSIDE DIMENSION OF
AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., ADJUJAA1.000*; ADJUJLA25.4*;
ADJUJAB2.495\$\$JAC2.503*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
		<u>Table 1</u>	
		<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

BA*, BB*, BC*, BD*, BE*, BF*, BG*, BH*, BJ*, BK*, BL*, BM*, BN*, BP*, BQ*, BR*, BU*

ABKV J OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA1.000*; ABKVJLA25.4*; ABKVJAB2.495\$\$JAC2.503*)

	<u>Table 1</u>	
	<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
	A	INCHES
	L	MILLIMETERS
	<u>Table 2</u>	
	<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
	A	NOMINAL
	B	MINIMUM
	C	MAXIMUM

BB

BPSD J RESIN AMOUNT

Definition: THE AMOUNT OF RESIN PROVIDED.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BPSDJANA4.0*; BPSDJANB56.0\$\$JANC57.0*)

Table 1

REPLY CODE

BA

AJ

AN

AS

REPLY (AG67)

GRAMS

KILOGRAMS

OUNCES

POUNDS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

BC, BK

ARQS	D	CONSTRUCTION
------	---	--------------

Definition: THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARQSDAAP*; ARQSDACW\$DACT*)

REPLY CODE

ACT

AAP

ACW

AAQ

REPLY (AL59)

CLOSED

HOLLOW

OPEN

SOLID

BD, BR

BPSF	D	GRID MARKINGS
------	---	---------------

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM INCLUDES GRID MARKINGS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BPSFDB*)

REPLY CODE

REPLY (AA49)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	INCLUDED
		C	NOT INCLUDED

BD, BR

BPSH J FILTERING AREA

Definition: INDICATES THE SIZE OF THE FILTERING AREA.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BPSHJDEA9.6*; BPSHJDDA6.0*; BPSHJDEB9.6\$\$JDEC9.8*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
DE	SQUARE CENTIMETERS
DD	SQUARE INCHES

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BD, BR*

ADNH J FILTRATION RATING IN MICRONS

Definition: THE SIZE OF THE SMALLEST PARTICLE WHICH THE ELEMENT IS CAPABLE OF REMOVING FROM THE FLUID WHICH PASSES THROUGH THE FILTERING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the filtration rating. (e.g., ADNHJA5.0*; ADNHJG10.0\$\$JA6.0*)

A micron is the millionth part of a meter or 0.000039 inches.

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ADNHKN*)

REPLY
CODE

G

REPLY (AC20)

ABSOLUTE (the complete removal of the particles equal to or larger than the absolute rating)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	A		NOMINAL (the ability to remove 90 percent of the particles equal to or larger than the nominal rating)

BD

ADNG D FILTERING MATERIAL DESIGN

Definition: THE DESIGN OF THE FABRICATED FILTERING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADNGDDA*; ADNGDCY\$\$DDA*)

<u>REPLY CODE</u>	<u>REPLY (AC48)</u>
CY	MATCHED WEIGHT
CZ	THICK
DA	THIN
DB	ULTRA THIN

BD, BR*

CRMZ D ABSORBENT PAD

Definition: AN INDICATION OF WHETHER OR NOT AN ABSORBENT PAD(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CRMZDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

BD*

HUES D COLOR

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., HUESDBL0000*; HUESDBU0000\$\$DRE0000*; HUESDBL0000\$DTA0000*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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BD

BPSJ D RIM MOUNTED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A RIM MOUNTED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BPSJDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

BP

ABKT A HOLE OR SLOT QUANTITY

Definition: THE NUMBER OF HOLES OR SLOTS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., ABKTA7*)

For each different size hole and/or slot, use AND coding (\$\$). (e.g., ABKTA4\$\$A4*)

BP

AZNZ J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AZNZJA1.000*; AZNZJL25.4*)

For multiple replies use AND coding (\$\$) entering in the same sequence as MRC ABKT. (e.g., AZNZJA1.000\$\$JA1.250*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

BE

BPSL A TEST TUBE QUANTITY ACCOMMODATED

Definition: THE NUMBER OF TEST TUBES THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the quantity. (e.g., BPSLA6*)

BE*

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA1.000*; AAUBJLA25.4*; AAUBJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

BE, BG, BP*

BPSN D RUBBER CUSHION

Definition: AN INDICATION OF WHETHER OR NOT A RUBBER CUSHION(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BPSNDB*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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NOTE FOR MRC NMBR: FOR APPLICABILITY KEY BE, IF REPLY CODE B IS ENTERED FOR MRC BPSN, ENTER A REPLY FOR MRC NMBR.

BE*, BG*, BP* (See Note Above)

NMBR	A	QUANTITY
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Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA6*)

BF*

BQDY	D	CENTRIFUGE TUBE BASE SHAPE FOR WHICH TOP IS DESIGNED
------	---	--

Definition: THE PHYSICAL CONFIGURATION OF THE CENTRIFUGE TUBE BASE FOR WHICH THE TOP IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQDYDRD*; BQDYDCN\$DRD*)

<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
CN	CONICAL
RD	ROUND

BH

ACSV	J	TUBE OUTSIDE DIAMETER FOR WHICH DESIGNED
------	---	--

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBE FOR WHICH DESIGNED, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACSVJAA1.000*; ACSVJLA25.4*; ACSVJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS
		<u>Table 2</u> <u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

BJ

ADYT J CENTER HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CENTER HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADYTJAA1.000*; ADYTJLA25.4*; ADYTJAB2.495\$\$JAC2.503*)

<u>Table 1</u> <u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u> <u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BJ

BQDX D BEVEL RECESS

Definition: AN INDICATION OF WHETHER OR NOT A BEVEL RECESS IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQDXDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	B		PROVIDED

BJ*

AJQL J TOP DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CIRCULAR TOP, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJQLJAA1.000*; AJQLJLA25.4*; AJQLJAB2.495\$\$JAC2.503*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BJ*

AEJZ J DEPTH

Definition: A LINEAR MEASUREMENT FROM THE SURFACE TO A SPECIFIED INNER POINT OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJZJAA1.000*; AEJZJLA25.4*; AEJZJAB2.495\$\$JAC2.503*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

BK

BQFD D CLAMP

Definition: AN INDICATION OF WHETHER OR NOT A CLAMP IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQFDDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS BQFF AND BQFH: IF REPLY CODE B IS ENTERED FOR MRC BQFD, REPLY TO MRC BQFF. IF REPLY CODE C IS ENTERED FOR MRC BQFD, REPLY TO MRC BQFH.

BK* (See Note Above)

BQFF J CENTER TO CENTER DISTANCE FROM
RING TO SUPPORT ROD

Definition: THE DISTANCE FROM THE CENTER RING TO THE SUPPORT ROD CENTER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQFFJAA1.000*; BQFFJLA25.4*; BQFFJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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BK* (See Note Preceding MRC BQFF)

BQFH J ARM OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ARM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQFHJAA1.000*; BQFHJLA25.4*; BQFHJAB2.495\$\$JAC2.503*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BH

BQFJ D INTERNAL COLLAR GROOVE

Definition: AN INDICATION OF WHETHER OR NOT AN INTERNAL COLLAR GROOVE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQFJDC*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

BL

ALQF D RING TYPE

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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Definition: INDICATES THE TYPE OF RING(S) USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALQFDLZ*; ALQFDMA\$DMB*)

<u>REPLY CODE</u>	<u>REPLY (AB47)</u>
LZ	CONCENTRIC
MA	GRID
MB	PLAIN

NOTE FOR MRC BQFK: IF REPLY CODE LZ IS ENTERED FOR MRC ALQF AND ADDITIONAL RINGS ARE INCLUDED, REPLY TO MRC BQFK.

BL* (See Note Above)

BQFK	A	ADDITIONAL RING QUANTITY
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Definition: THE NUMBER OF ADDITIONAL RINGS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BQFKA4*)

BL

BQFM	D	DIAL INDICATOR CLAMP
------	---	----------------------

Definition: AN INDICATION OF WHETHER OR NOT A DIAL INDICATOR CLAMP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQFMDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

BR*, BU*

AKYD	G	ACCESSORY COMPONENTS AND QUANTITY
------	---	-----------------------------------

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
Reply Instructions: Enter the reply in clear text. Seperate multiple replies with a semicolon. (e.g., AKYDGINSTRUCTION BOOKLET, 1*; AKYDGINSTRUCTION BOOKLET, 1; TUBING, 2*)			

NOTE FOR MRCS CBBL AND FEAT: E MODE REPLIES WILL NOT BE ACCEPTED IN REPLY TO MRC CBBL. IF A REPLY IS NOT REFERENCED ON THE TABLE FOR MRC CBBL, ENTER THE FEATURE IN REPLY TO MRC FEAT.

ALL* (See Note Above)

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDAQE*; CBBLDCRL\$SDAQE*)

<u>REPLY CODE</u>	<u>REPLY (AN47)</u>
DJU	ANTICOAGULANT
DJV	ATTACHED NEEDLE
DJX	CLAMP LOCK
CRW	CLEAR
EPJ	CONCENTRIC RING
AQE	DISPOSABLE
CRL	HEPARINIZED
EBZ	INDIVIDUALLY WRAPPED
EHE	NONSILICONE COATED
AQP	NONSTERILE
DRX	PREASSEMBLED
CRM	PRELABELED
CRN	SILICONE COATED
AFM	STERILE
DJW	VACUUM

NOTE FOR MRCS BNBT AND BPBB: IF REPLY CODE DJU IS ENTERED FOR MRC CBBL, REPLY TO MRCS BNBT AND BPBB.

ALL* (See Note Above)

BNBT D ANTICOAGULANT CHEMICAL

Definition: THE SUBSTANCE USED AS AN ANTICOAGULANT AGENT.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5.
(e.g., BNBTD2675*; BNBTD6944\$DA9451*)

ALL* (See Note Preceding MRC BNBT)

BPBB	J	ANTICOAGULANT AMOUNT
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Definition: THE AMOUNT OF ANTICOAGULANT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. Enter multiple replies in the same sequence as MRC BNBT.
(e.g., BPBBJAL20.0*; BPBBJAL20.0\$JAL21.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AL	MILLIGRAMS
AM	MILLILITERS
BV	USP UNITS

BT

CHKK	J	BODY LENGTH ACCOMMODATED
------	---	--------------------------

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BODY THE ITEM IS DESIGNED TO ACCOMMODATE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Table 1 and Table 2 below followed by the numeric value. (e.g., CHKKJAA2.000*; CHKKJLA93.0*; CHKKJAB1.000\$JAC2.000*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BT*

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	BQFZ	J	BOILING FLASK CAPACITY

Definition: THE AMOUNT OF LIQUID, GRANULES, AND THE LIKE, THE BOILING FLASK WILL ACCOMMODATE.

Reply Instructions: Enter the applicable reply from the table below, followed by the numeric value. (e.g., BQFZJAM50.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
CC	LITERS
AM	MILLILITERS

FIIG T
Section Parts

SECTION: C

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19431*)

CA*, CB*

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDAL0000*; MATLDBR0000\$DGS0000*; MATLDGS0000\$DPC0000*)

CA*, CB*

ATYR	B	LINEAR EXPANSION COEFFICIENT PER DEG CELSIUS
------	---	--

Definition: THE CONSTANT THAT REPRESENTS THE CHANGE IN LINEAR EXPANSION CAUSED BY A CHANGE IN TEMPERATURE, PER DEGREES CELSIUS.

Reply Instructions: Enter the numeric value to a minimum of seven decimal places. (e.g., ATYRB0.0000040*)

CA*, CB*

ATYS	F	LINEAR EXPANSION COEFFICIENT TEMP RANGE IN DEG CELSIUS
------	---	--

Definition: THE MINIMUM AND MAXIMUM TEMPERATURES TO WHICH THE LINEAR EXPANSION COEFFICIENT APPLIES, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric values separated by a slash. Precede negative values with the letter M and positive values with the letter P. (e.g., ATYSFM55.0/P105.0*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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CA, CC

AJCA	L	DRYING CHAMBER STYLE DESIGNATOR
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Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE DRYING CHAMBER.

Reply Instructions: Enter the group designator and applicable style number from [Appendix B](#), Reference Drawing Group B. (e.g., AJCALB1*)

CA

AJDQ	L	DESICCANT STYLE DESIGNATOR
------	---	----------------------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE DESICCANT CHAMBER.

Reply Instructions: Enter the group designator and applicable style number from [Appendix B](#), Reference Drawing Group C. (e.g., AJDQLC1*)

CA*

BQFT	J	DESICCANT CHAMBER CAPACITY
------	---	----------------------------

Definition: THE AMOUNT OF LIQUID, GRANULES, AND THE LIKE, THE DESICCANT CHAMBER WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BQFTJAM250.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
CC	LITERS
AM	MILLILITERS

CA, CB

BQFW	L	CONDENSER STYLE DESIGNATOR
------	---	----------------------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE CONDENSER.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the group designator and applicable style number from [Appendix B](#), Reference Drawing Group D. (e.g., BQFWLD8*)

CA

BQFX	L	BOILING FLASK STYLE DESIGNATOR
------	---	--------------------------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE BOILING FLASK.

Reply Instructions: Enter the group designator and applicable style number from [Appendix B](#), Reference Drawing Group E. (e.g., BQFXLE3*)

CA*

BQFZ	J	BOILING FLASK CAPACITY
------	---	------------------------

Definition: THE AMOUNT OF LIQUID, GRANULES, AND THE LIKE, THE BOILING FLASK WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BQFZJAM50.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
CC	LITERS
AM	MILLILITERS

CB

BQFY	D	DRIP TIP
------	---	----------

Definition: AN INDICATION OF WHETHER OR NOT A DRIP TIP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQFYDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

FIIG T
Section Parts

SECTION: D

APP

Key	MRC	Mode Code	Requirements
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ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17490*)

ALL

STYL	L	STYLE DESIGNATOR
------	---	------------------

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the group designator and applicable style number from [Appendix B](#), Reference Drawing Group F, G, H, J or K. (e.g., STYLLF1*)

DB, DC*, DD*

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDALC000*; MATLDAL0000\$DRC0000*; MATLDALC000\$DAL0000*)

DA*

AJLC	D	BLADE MATERIAL
------	---	----------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE BLADE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AJLCDST0000*; AJLCDST0000\$DSTB000*; AJLCDST0000\$DNFF000*)

DA*

AFYH	D	HANDLE MATERIAL
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FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE HANDLE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AFYHDWD0000*; AFYHDPC0000\$DWD0000*; AFYHDPC0000\$DWD0000*)

DA*

BQFS

D

SPOON MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SPOON IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BQFSDWD0000*; BQFSDPC0000\$DWD0000*)

DB

ABHP

J

OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

DB

ASYY

D

JAW TYPE

Definition: INDICATES THE TYPE OF JAW FURNISHED WITH THE ITEM.

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASYYDAF*; ASYYDAE\$DAF*)

REPLY CODE

AE
AF
AG

REPLY (AK42)

SCORED
SERRATED
SMOOTH

DB*

BDLR

D

SHOE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SHOE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BDLRSTD000*; BDLRDRCC000\$\$DSTD000*; BDLRDBR0000\$DSTD000*)

DB*

AFTB

D

SLEEVE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SLEEVE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AFTBDRC0000*; AFTBDBR0000\$\$DSTD000*; AFTBDPC0000\$DRC0000*)

DB*, DC*

SURF

D

SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 8. (e.g., SURFDNFG000*; SURFDCDR000\$\$DENF000*; SURFDGB0000\$DPS0000*)

DA*

CBBL

D

FEATURES PROVIDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDBLA*; CBBLDEPK\$\$DBLA)

REPLY CODE

EPK
ELJ
BLA

REPLY (AN47)

HANDLE WITH HOLE
INTEGRAL HANDLE
REMOVABLE HANDLE

FIIG T
Section Parts

SECTION: E

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17191*)

EA*, ED, EE, EF

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDAL0000*; MATLDCU0000\$DNC0000*; MATLDAL0000\$DBR0000*)

ED*, EF*

SURF	D	SURFACE TREATMENT
------	---	-------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 8. (e.g., SURFDNFG000*; SURFDCDR000\$DENF000*; SURFDGB0000\$DPS0000*)

ED*, EF*

HUES	D	COLOR
------	---	-------

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., HUESDAM0000*; HUESDBU0000\$DRE0000*; HUESDAM0000\$DCL0001*)

EA, EF*

AFPM	D	ASSEMBLY FORM
------	---	---------------

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Definition: THE FORM OF ASSEMBLY IN WHICH THE ITEM IS SUPPLIED, WHETHER COMPLETELY ASSEMBLED OR SPECIFYING A DEGREE OF ASSEMBLY WHICH INHERENTLY DESCRIBES THE PRESENCE OF A SPACE SAVING FEATURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFPMDAD*; AFPMDAR\$DAD*)

<u>REPLY CODE</u>	<u>REPLY (AE33)</u>
AR	ASSEMBLED
AD	KNOCKED-DOWN

EA

AWLP	D	CONDENSER TYPE
------	---	----------------

Definition: INDICATES THE TYPE OF CONDENSER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWLPDAR*; AWLPDAN\$DAR*)

<u>REPLY CODE</u>	<u>REPLY (AM41)</u>
AN	DOME
AP	GRAHAM
AQ	OVERHEAD TUBE
AR	RESERVOIR
AS	VERTICAL

ED*, EF*

AFPV	A	COMPARTMENT QUANTITY
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Definition: THE NUMBER OF COMPARTMENTS FORMED BY PARTITIONS.

Reply Instructions: Enter the quantity. (e.g., AFPVA11*)

ED, EF*

CBWH	A	SLIDE QUANTITY ACCOMMODATED
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Definition: THE NUMBER OF SLIDES THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the quantity. (e.g., CBWHA25*)

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

EA

BQLQ J LOAD CAPACITY

Definition: THE RATED LOAD THAT THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BQLQJLN0.750*; BQLQJHG10.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
LN	GALLONS PER HOUR
GJ	LITERS PER HOUR
HG	MILLILITERS PER MINUTE
HF	QUARTS PER HOUR

ED, EF*

BNNF J SLIDE LENGTH ACCOMMODATED

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SLIDE THE ITEM IS DESIGNED TO ACCOMMODATE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNNFJAA1.000*; BNNFJLA75.0*; BNNFJAB3.500\$JAC3.750*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ED, EF*

BNNG J SLIDE WIDTH ACCOMMODATED

FIIG T
Section Parts

APP
Key MRC Mode Code Requirements

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE SLIDE THE ITEM IS DESIGNED TO ACCOMMODATE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNNGJAA1.000*; BNNGJLA25.0*; BNNGJAB1.000\$\$JAC1.250*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ED*, EF*

AFPP D CLOSURE METHOD

Definition: THE MEANS PROVIDED TO CLOSE THE OPENING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFPPDAG*; AFPPDAG\$DCG*)

REPLY CODE

CG

AG

EA

REPLY (AE35)

FRICTION FIT COVER

HINGED COVER

SCREW CAP

ED*, EF*

ARQT D OPENING LOCATION

Definition: THE LOCATION OF THE OPENING ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARQTDABA*; ARQTDABA\$DACF*)

REPLY CODE

REPLY (AJ91)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		ABA	BOTTOM
		ACF	LEFT SIDE
		ACR	RIGHT SIDE
		ABD	TOP

EB, EF*

ASQJ F OPERATING TEMP RANGE IN DEG CELSIUS

Definition: THE MINIMUM AND MAXIMUM OPERATING TEMPERATURES AT WHICH THE ITEM IS RATED, EXPRESSED IN DEGREES CELSIUS.

Reply Instructions: Enter the numeric values separated by a slash. Precede negative values with the letter M and positive values with the letter P. (e.g., ASQJFP35.0/P260.0*)

EB, EF*

AZZH D HEAT SOURCE FOR WHICH DESIGNED

Definition: THE HEAT SOURCE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZZHDBSS*; AZZHDBSS\$DBST*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
BSS	INTEGRAL
BST	SEPARATE

EA*, EB*, EF*

BDWT D HEATING METHOD

Definition: THE MEANS BY WHICH THE ITEM IS HEATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BDWTDAG*; BDWTDAB\$\$DAC*; BDWTDAB\$DAG*)

<u>REPLY CODE</u>	<u>REPLY (AM63)</u>
AB	ELECTRICAL
BR	ELECTROMAGNETIC
AG	GAS
AM	GASOLINE
AC	KEROSENE

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		BS	MICROWAVE
		AR	STEAM

NOTE FOR MRCS BQLS, BGST, ACDC, AMSE, ACZB, FAAZ, ANPT, AND AENF:

EA*, EB*, EF* (See Note Above)

BQLS B MAXIMUM GAS HEAT RATING IN BTU

Definition: THE MAXIMUM GAS HEAT RATING, EXPRESSED IN BRITISH THERMAL UNITS.

Reply Instructions: Enter the numeric value. (e.g., BQLSB500.0*)

EA*, EB*, EF* (See Note Preceding MRC BQLS)

BGST J PRESSURE RATING

Definition: THE PRESSURE AT WHICH AN ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BGSTJASA10.0*; BGSTJASB40.0\$JASC60.0*)

Table 1

REPLY CODE

CY

AS

REPLY (AG67)

CUBIC FEET

POUNDS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EA*, EB*, EF* (See Note Preceding MRC BQLS)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB\$DC*)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
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REPLY CODE

B
D
C

REPLY (AB62)

AC
AC/DC
DC

EA*, EB*, EF* (See Note Preceding MRC BQLS)

AMSE	J	VOLTAGE RATING
------	---	----------------

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA115.0*; AMSEJVB110.0\$\$JVC115.0*; AMSEJVA110.0\$\$JVA220.0*)

Table 1

REPLY CODE

K
U
L
V

REPLY (AB63)

KILOVOLTS
MICROVOLTS
MILLIVOLTS
VOLTS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

EA*, EB*, EF* (See Note Preceding MRC BQLS)

ACZB	J	FREQUENCY RATING
------	---	------------------

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0\$\$JEC60.0*; ACZBJEA50.0\$JEA60.0*)

Table 1

REPLY CODE

G
E
K

REPLY (AC32)

GIGAHERTZ
HERTZ
KILOHERTZ

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		M	MEGAHERTZ
<u>Table 2</u>			
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

EA*, EB*, EF* (See Note Preceding MRC BQLS)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
FAAZDB*; FAAZDA\$DB*)

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

EA*, EB*, EF* (See Note Preceding MRC BQLS)

ANPT J POWER RATING

Definition: THE AMOUNT OF ELECTRICAL ENERGY THAT CAN BE
DISSIPATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., ANPTJWA600.0*;
ANPTJWB600.0\$\$JWC650.0*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AC33)</u>
D	DECIBELS
K	KILOVOLT-AMPERE
L	KILOWATTS
M	MILLIWATTS
E	VOLT-AMPERE
W	WATTS

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

EA*, EB*, EF* (See Note Preceding MRC BQLS)

AENF D SPECIFIC GAS FOR WHICH DESIGNED

Definition: THE SPECIFIC GAS WITH WHICH THE ITEM IS DESIGNED TO BE USED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AENFDJM*; AENFDJM\$DPB*)

<u>REPLY CODE</u>	<u>REPLY (AB75)</u>
JM	LEADED GASOLINE
PB	UNLEADED GASOLINE

EB*, EF*

BNDW D COOLING COILS FOR BELOW ROOM TEMP
USE

Definition: AN INDICATION OF WHETHER OR NOT COOLING COILS FOR BELOW ROOM TEMPERATURE USE ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDWDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

EB, EF*

BHGT D CIRCULATION METHOD

Definition: THE MEANS USED TO PROVIDE CIRCULATION.

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g, BHGTDAQ*; BHGTDAQ\$DAR*)

<u>REPLY CODE</u>	<u>REPLY (AM42)</u>
A	ANY ACCEPTABLE
AQ	FORCED AIR
AR	GRAVITY
AS	MECHANICAL

EB, EF*

BGXH	D	WATER JACKET
------	---	--------------

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS PROVIDED WITH A WATER JACKET.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g, BGXHDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

EA

AQDD	D	FEED TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF FEED PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDDDAY*; AQDDDAY\$DAZ*)

<u>REPLY CODE</u>	<u>REPLY (AK97)</u>
AY	BATCH
AZ	CONTINUOUS

EA*

AWCD	D	WATER FOR WHICH DESIGNED
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FIIG T
Section Parts

APP										
Key	MRC		Mode Code							Requirements

Definition: THE TYPE OF WATER WITH WHICH THE ITEM IS DESIGNED TO BE USED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWCDDPC*; AWCDDPC\$DND*)

<u>REPLY CODE</u>	<u>REPLY (AB75)</u>
PC	HARD WATER
ND	SEA WATER

EA

BQLX	A									DISTILLING UNIT QUANTITY
------	---	--	--	--	--	--	--	--	--	--------------------------

Definition: THE NUMBER OF DISTILLING UNITS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., BQLXA1*)

ED*, EF*

AKYN	G									FURNISHED ITEMS AND QUANTITY
------	---	--	--	--	--	--	--	--	--	------------------------------

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKYNGALUMINUM TRAYS 25*; AKYNGALUMINUM TRAYS, 25; DISAPPEARING DOOR, 1*)

ALL*

ABKW	J									OVERALL HEIGHT
------	---	--	--	--	--	--	--	--	--	----------------

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
C	CENTIMETERS
A	INCHES
L	MILLIMETERS

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

C

A

L

REPLY (AA05)

CENTIMETERS

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

C

REPLY (AA05)

CENTIMETERS

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u> <u>REPLY CODE</u>	
		A	<u>REPLY (AC20)</u> NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
C	CENTIMETERS
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AFMW J OUTSIDE HEIGHT

Definition: AN OUTSIDE MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN ITEM, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFMWJAA1.000*; AFMWJLA25.4*; AFMWJAB2.495\$\$JAC2.503*)

Table 1

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
			<u>REPLY CODE</u>
			<u>REPLY (AA05)</u>
			A INCHES
			L MILLIMETERS
			 <u>Table 2</u>
			<u>REPLY CODE</u>
			<u>REPLY (AC20)</u>
			A NOMINAL
			B MINIMUM
			C MAXIMUM

ALL*

ADJV J OUTSIDE WIDTH

Definition: AN OUTSIDE MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g, ADJVJAA1.000*; ADJVJLA25.4*; ADJVJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BCXB J OUTSIDE DEPTH

Definition: AN OUTSIDE MEASUREMENT BETWEEN SPECIFIED POINTS ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BCXBJAA1.000*; BCXBJLA25.4*; BCXBJAB2.495\$\$JAC2.503*)

Table 1

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
			<u>REPLY CODE</u>
			<u>REPLY (AA05)</u>
			A INCHES
			L MILLIMETERS
			 <u>Table 2</u>
			<u>REPLY CODE</u>
			<u>REPLY (AC20)</u>
			A NOMINAL
			B MINIMUM
			C MAXIMUM

ALL*

AFMQ J INSIDE HEIGHT

Definition: AN INSIDE MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN ITEM, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFMQJAA1.000*; AFMQJLA25.4*; AFMQJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADJT J INSIDE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJTJAA1.000*; ADJTJLA25.4*; ADJTJAB2.495\$\$JAC2.503*)

Table 1

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
			<u>REPLY CODE</u>
			<u>REPLY (AA05)</u>
			A INCHES
			L MILLIMETERS
			<u>Table 2</u>
			<u>REPLY CODE</u>
			<u>REPLY (AC20)</u>
			A NOMINAL
			B MINIMUM
			C MAXIMUM

ALL*

AFEF J INSIDE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED INSIDE POINTS ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFEFJAA1.000*; AFEFJLA25.4*; AFEFJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BQLZ J CONDENSER JACKET OVERALL HEIGHT

Definition: THE OVERALL DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF THE CONDENSER JACKET.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQLZJAA1.000*; BQLZJLA25.4*; BQLZJAB2.495\$\$JAC2.503*)

Table 1

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
			<u>REPLY CODE</u>
			<u>REPLY (AA05)</u>
			A INCHES
			L MILLIMETERS
			<u>Table 2</u>
			<u>REPLY CODE</u>
			<u>REPLY (AC20)</u>
			A NOMINAL
			B MINIMUM
			C MAXIMUM

ALL*

BQMB J CONDENSER JACKET OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE CONDENSER JACKET.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQMBJAA1.000*; BQMBJLA25.4*; BQMBJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

BQMD J BOILER CHAMBER OVERALL DIAMETER

Definition: THE OVERALL LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BOILER CHAMBER, AND TERMINATES AT THE CIRCUMFERENCE.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQMDJAA1.000*; BQMDJLA25.4*; BQMDJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

NOTE FOR MRC BQMF: REPLY TO MRC BQMF IF BOILER IS CYLINDRICAL.

ALL* (See Note Above)

BQMF

J

BOILER CHAMBER OVERALL HEIGHT

Definition: THE OVERALL DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF THE BOILER CHAMBER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQMFJAA1.000*; BQMFJLA25.4*; BQMFJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EB, EF*

BLST

D

INSULATED CABINET

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Definition: AN INDICATION OF WHETHER OR NOT AN INSULATED CABINET IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BLSTDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

EB*, EF*

BQMH D CABINET OUTER WALL MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CABINET OUTER WALL IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BQMHDSTB000*; BQMHDPCAAAX\$\$DSTB000*; BQMHDSTB000\$DSTD000*)

EB*, EF*

BQMJ D CABINET INNER WALL MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CABINET INNER WALL IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BQMJDSTB000*; BQMJDPCAAAX\$\$DSTB000*; BQMJDSTB000\$DSTD000*)

EB*, EF*

BQML D CABINET MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE CABINET.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQMLDAGL*)

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
A	ANY ACCEPTABLE

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		AGL AJM	LEG STAND

ED, EF*

BHJQ D DOOR

Definition: AN INDICATION OF WHETHER OR NOT A DOOR(S) IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BHJQDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

EB*, EC*, EF*

BQMN A OUTER DOOR QUANTITY

Definition: THE NUMBER OF OUTER DOORS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., BQMNA2*)

EB*, EC*, EF*

BQMP D OUTER DOOR MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE OUTER DOOR IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BQMPDSTB000*; BQMPDSTD000\$DGS0000*; BQMPDSTB000\$DSTD000*)

EB*, EF*

BQMR D OUTER DOOR INSULATION FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN OUTER DOOR INSULATION FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQMRDB*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
		B	INCLUDED
		C	NOT INCLUDED

EB*, EF*

BQMS A INNER DOOR QUANTITY

Definition: THE NUMBER OF INNER DOORS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., BQMSA1*)

EB*, EF*

BQMT D INNER DOOR MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE INNER DOOR IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BQMTDSTB000*; BQMTDPCAAAX\$\$DSTB000*; BQMTDSTB000\$DSTD000*)

EB*, EF*

BQMW D INNER DOOR MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE INNER DOOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQMWDAGC*)

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
A	ANY ACCEPTABLE
AGC	HINGE

ED*, EE, EF*

AYHJ D STACKING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A STACKING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYHJDB*)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

EB*, EC*, EF*

BGZL	A	SHELF QUANTITY
------	---	----------------

Definition: THE NUMBER OF SHELVES FURNISHED WITH THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BGZLA2*)

EB*, EC*, EF*

BGZM	D	SHELF ADJUSTABILITY
------	---	---------------------

Definition: AN INDICATION OF WHETHER OR NOT THE SHELF(VES) IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BGZMDB*; BGZMDB\$\$DC*; BGZMDB\$DC*)

REPLY CODE

B
C

REPLY (AC06)

ADJUSTABLE
NOT ADJUSTABLE (Fixed)

EB*, EC*, EF*

BPYK	D	SHELF MATERIAL
------	---	----------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SHELF IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BPYKDST0000*; BPYKDPCAAAX\$\$DSTB000*; BPYKDST0000\$DSTD000*)

NOTE FOR MRC BQWH: REPLY TO MRC BQWH IF REPLY TO MRC BPYK IS METAL.

EB*, EC*, EF* (See Note Above)

BQWH	D	MATERIAL CHARACTERISTIC
------	---	-------------------------

FIIG T
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

Definition: AN INDICATION OF THE CHARACTERISTIC(S) OF THE MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQWHDHD*; BQWHDHD\$DHE*)

<u>REPLY CODE</u>	<u>REPLY (AA62)</u>
A	ANY ACCEPTABLE
AE	EXPANDED
HD	GRID
HE	PERFORATED
AR	SOLID

EC*, ED*, EE, EF*

BCBP	A	DRAWER QUANTITY
------	---	-----------------

Definition: THE NUMBER OF DRAWERS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BCBPA6*)

EF

CWZY	D	ENVIRONMENTAL CHAMBER TYPE
------	---	----------------------------

Definition: INDICATES THE TYPE OF ENVIRONMENTAL CHAMBER.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 10. (e.g., CWZYDAAU*; CWZYDAAV\$\$DAAX*)

EB*, EF*

BQWN	D	VACUUM CHAMBER
------	---	----------------

Definition: AN INDICATION OF WHETHER OR NOT A VACUUM CHAMBER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQWNDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

APP

Key	MRC	Mode Code	Requirements
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EB*, EF*

BQWP	J	VACUUM CHAMBER OVERALL LENGTH
0	0	1.000000
1	0	1.000000
2	0	1.000000
3	0	1.000000
4	0	1.000000
5	0	1.000000
6	0	1.000000
7	0	1.000000
8	0	1.000000
9	0	1.000000
10	0	1.000000
11	0	1.000000
12	0	1.000000
13	0	1.000000
14	0	1.000000
15	0	1.000000
16	0	1.000000
17	0	1.000000
18	0	1.000000
19	0	1.000000
20	0	1.000000
21	0	1.000000
22	0	1.000000
23	0	1.000000
24	0	1.000000
25	0	1.000000
26	0	1.000000
27	0	1.000000
28	0	1.000000
29	0	1.000000
30	0	1.000000
31	0	1.000000
32	0	1.000000
33	0	1.000000
34	0	1.000000
35	0	1.000000
36	0	1.000000
37	0	1.000000
38	0	1.000000
39	0	1.000000
40	0	1.000000
41	0	1.000000
42	0	1.000000
43	0	1.000000
44	0	1.000000
45	0	1.000000
46	0	1.000000
47	0	1.000000
48	0	1.000000
49	0	1.000000
50	0	1.000000
51	0	1.000000
52	0	1.000000
53	0	1.000000
54	0	1.000000
55	0	1.000000
56	0	1.000000
57	0	1.000000
58	0	1.000000
59	0	1.000000
60	0	1.000000
61	0	1.000000
62	0	1.000000
63	0	1.000000
64	0	1.000000
65	0	1.000000
66	0	1.000000
67	0	1.000000
68	0	1.000000
69	0	1.000000
70	0	1.000000
71	0	1.000000
72	0	1.000000
73	0	1.000000
74	0	1.000000
75	0	1.000000
76	0	1.000000
77	0	1.000000
78	0	1.000000
79	0	1.000000
80	0	1.000000
81	0	1.000000
82	0	1.000000
83	0	1.000000
84	0	1.000000
85	0	1.000000
86	0	1.000000
87	0	1.000000
88	0	1.000000
89	0	1.000000
90	0	1.000000
91	0	1.000000
92	0	1.000000
93	0	1.000000
94	0	1.000000
95	0	1.000000
96	0	1.000000
97	0	1.000000
98	0	1.000000
99	0	1.000000

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE VACUUM CHAMBER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQWPJAA1.000*; BQWPJLA25.4*; BQWPJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

$$\overline{A}$$

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EB*, EF*

BQWQ J VACUUM CHAMBER INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE VACUUM CHAMBER, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BQWQJAA1.000*; BQWQJLA25.4*; BQWQJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

REPLY (AC20)

NOMINAL

MINIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	C		MAXIMUM

EB*, EF*

BQWR D VACUUM CHAMBER REMOVABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE VACUUM CHAMBER IS REMOVABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQWRDC*; BQWRDC\$DB*)

<u>REPLY CODE</u>	<u>REPLY (AC29)</u>
C	NONREMOVABLE
B	REMOVABLE

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGHEATING ELEMENT, 1 SET*)

EB, EF*

AQZF D CONTROL TYPE

Definition: INDICATES THE TYPE OF CONTROL.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6. (e.g., AQZFDADG*; AQZFDACZ\$\$DADG*; AQZFDACQ\$DACS*)

EA

BQWX D LOW WATER AUTOMATIC HEATER SHUT-OFF

Definition: AN INDICATION OF WHETHER OR NOT A LOW WATER AUTOMATIC HEATER SHUT-OFF IS INCLUDED.

FIIG T
Section Parts

APP										
Key	MRC		Mode Code							Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQWXDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

EA

BQWY	D	BLEEDER DEVICE
------	---	----------------

Definition: AN INDICATION OF WHETHER OR NOT A BLEEDER DEVICE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BQWYDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

EA*, EF*

AAXX	D	MOUNTING TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDMY*; AAXXDMY\$DBW*)

<u>REPLY CODE</u>	<u>REPLY (AA78)</u>
MY	FEET
BW	LEG
HT	STAND
EG	WALL BRACKET

EA, EF*

AFJU	D	CARRYING CASE
------	---	---------------

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Definition: AN INDICATION OF WHETHER OR NOT A CONTAINER FROM WHICH THE ITEM IS COMPLETELY REMOVABLE IN NORMAL OPERABLE CONDITION IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJUDC*)

REPLY CODE

C
B

REPLY (AB22)

NOT PROVIDED
PROVIDED

FIIG T
Section Parts

SECTION: F

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED12799*)

ALL*

ANEH	D	DESIGN DESIGNATION
------	---	--------------------

Definition: THE DESIGNATION DERIVED FROM THE NAME OF THE DESIGNER OR USE FOR WHICH THE ITEM IS INTENDED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 9. (e.g., ANEHDBPE*; ANEHDBPB\$DBPC*)

ALL*

BNCB	D	MORTAR MATERIAL
------	---	-----------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE MORTAR IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BNCBDGS0000*; BNCBDGS0000\$\$DBH0000*; BNCBDGS0000\$DPC0000*)

ALL

BNCC	D	CAVITY SHAPE
------	---	--------------

Definition: THE PHYSICAL CONFIGURATION OF THE CAVITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCCDXP*; BNCCDXP\$DAN*)

REPLY CODE

A
XP
ACD
AN

REPLY (AD07)

ANY ACCEPTABLE
BOWL
CONICAL
CYLINDRICAL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL*

BQLQ	J	LOAD CAPACITY
------	---	---------------

Definition: THE RATED LOAD THAT THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BQLQJAM300.0*; BQLQJAN6.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AM	MILLILITERS
AN	OUNCES

ALL*

BLNK	J	TOP OUTSIDE DIAMETER
------	---	----------------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TOP OF THE ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BLNKJAA1.000*; BLNKJLA25.4*; BLNKJAB2.495\$\$JAC2.503*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW	J	OVERALL HEIGHT
------	---	----------------

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

AARX

J

INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA1.000*; AARXJLA25.4*; AARXJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AFEF	J	INSIDE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED INSIDE POINTS ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFEFJAA1.000*; AFEFJLA25.4*; AFEFJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

BNCG	D	PESTLE CONSTRUCTION
------	---	---------------------

Definition: THE STRUCTURAL CHARACTERISTIC(S) OF THE PESTLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCGDABD*; BNCGDABD\$DAET*)

REPLY CODE

ABD

AET

REPLY (AL59)

ONE-PIECE

TWO-PIECE

NOTE FOR MRCS MATL, BNCH, AFYH, ABHP, AND BNCL: IF REPLY CODE ABD IS ENTERED FOR MRC BNCG, REPLY TO MRC MATL. IF REPLY CODE AET IS ENTERED FOR MRC BNCG, REPLY TO MRCS BNCH, BNCK, AND AFYH. REPLY TO MRCS ABHP AND BNCL, AS APPLICABLE.

ALL* (See Note Above)

MATL	D	MATERIAL
------	---	----------

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDST0000*; MATLDGS0000\$\$DBH0000*; MATLDST0000\$DSTB000*)

ALL* (See Note Preceding MRC MATL)

BNCH	D	WORKING END MATERIAL
------	---	----------------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE WORKING END IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BNCHDST0000*; BNCHDBH0000\$\$DRC0000*; BNCHDALC000\$DST0000*)

NOTE FOR MRC BNCK: IF REPLY CODE BH0000 IS ENTERED FOR MRC BNCH, REPLY TO MRC BNCK.

ALL* (See Note Above)

BNCK	D	GRINDING SURFACE CONDITION
------	---	----------------------------

Definition: THE CONDITION OF THE GRINDING SURFACE WITH RESPECT TO THE TEXTURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCKDBAQ*; BNCKDBAQ\$DBBL*)

<u>REPLY CODE</u>
BAQ
BBL

<u>REPLY (AK39)</u>
GLAZED
UNGLAZED

ALL* (See Note Preceding MRC MATL)

AFYH	D	HANDLE MATERIAL
------	---	-----------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE HANDLE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AFYHDWD0000*; AFYHDST0000\$\$DWD0000*; AFYHDP0000\$DWD0000*)

ALL* (See Note Preceding MRC MATL)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC MATL)

BNCL	J	BASE OVERALL DIAMETER
------	---	-----------------------

Definition: THE OVERALL LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BASE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNCLJAA1.000*; BNCLJLA25.4*; BNCLJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL*

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDEPB*; CBBLDEPB\$\$DEPL*)

<u>REPLY CODE</u>	<u>REPLY (AN47)</u>
EPB	ACID LEACH GLASS SILICA
EPL	CENTER MOUND
EPM	PESTLE SLEEVE
EPN	POUR LIP

FIIG T
Section Parts

SECTION: G

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13440*)

GA, GC, GD

APQB	D	UNIT TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 7. (e.g., APQBDAXR*; APQBDAXR\$DAXS*)

GA

BJXG	D	HOLDER TYPE
------	---	-------------

Definition: INDICATES THE TYPE OF HOLDER PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BJXGDAQR*; BJXGDAQR\$\$DBTK*; BJXGDAHW\$DAWE*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
A	ANY ACCEPTABLE
AHW	CRADLE
AWE	CUP
BTH	KAHN PLATFORM
BTJ	PLATFORM
DSY	SPRING CLIP
DYW	TRAY
BTK	WHEEL

GA*

BNCN	G	HOLDER CAPACITY
------	---	-----------------

Definition: THE CAPACITY OF THE HOLDER.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the reply in clear text. (e.g., BNCNG6 BLOOD DILUTING PIPETTES*)

GA

AAGK	J	RATED SPEED
------	---	-------------

Definition: THE RATED SPEED FOR WHICH THE ITEM HAS BEEN TESTED FOR PERFORMANCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAGKJD285.0*; AAGKJD150.0\$\$JR15.0*)

<u>REPLY CODE</u>	<u>REPLY (aa34)</u>
D	OSCILLATIONS PER MINUTE
R	REVOLUTIONS PER MINUTE

GB

CMHH	A	HEATING UNIT QUANTITY
------	---	-----------------------

Definition: THE NUMBER OF HEATING UNITS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., CMHHA1*)

GB*

ARNF	A	TUBE QUANTITY
------	---	---------------

Definition: THE NUMBER OF TUBES INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ARNFA1*)

GB*

ACSV	J	TUBE OUTSIDE DIAMETER FOR WHICH DESIGNED
------	---	---

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBE FOR WHICH DESIGNED, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACSVJAA1.000*; ACSVJLA25.4*; ACSVJAB0.995\$\$JAC1.005*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

GB*

ABHS	J	EFFECTIVE HEATING LENGTH
------	---	--------------------------

Definition: THE LENGTH OF THAT PORTION OF THE HEATING ELEMENT THAT IMPARTS HEAT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHSJAA1.000*; ABHSJLA25.4*; ABHSJAB0.950\$\$JAC1.050*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

GB

AEHZ	J	MAXIMUM OPERATING TEMP
------	---	------------------------

Definition: THE MAXIMUM TEMPERATURE AT WHICH THE ITEM IS RATED TO OPERATE FOR AN EXTENDED PERIOD OF TIME.

APP

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AEHZJF100.0*)

REPLY CODE

C

F

REPLY (AB36)

DEG CELSIUS

DEG FAHRENHEIT

 GA^*, GB^*, GC^*, GD

ACDC

D

CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB\$DC*)

REPLY CODE

B

D

C

REPLY (AB62)

AC

AC/DC

DC

GD

BBLT

J

CAPACITY RATING

Definition: A MEASUREMENT OF THE CAPACITY OF AN ITEM

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and Table 2 below, followed by the numeric value. (e.g., BBLTJAF18.000*; BBLTJAMB500.0\$\$JAMC550.0*)

Table 1

REPLY CODE

AF

CC

AM

AN

REPLY (AG67)

GALLONS

LITERS

MILLILITERS

OUNCES

Table 2

REPLY CODE

A

B

REPLY (AC20)

NOMINAL

MINIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

GA*, GB*, GC*, GD

AMSE J VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA110.0*; AMSEJVB110.0\$\$JVC115.0*; AMSEJVA110.0\$\$JVA220.0*)

Table 1

REPLY CODE

K
U
L
V

REPLY (AB63)

KILOVOLTS
MICROVOLTS
MILLIVOLTS
VOLTS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL*

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0\$\$JEC60.0*; ACZBJEA50.0\$JEA60.0*)

Table 1

REPLY CODE

G
E
K
M

REPLY (AC32)

GIGAHERTZ
HERTZ
KILOHERTZ
MEGAHERTZ

Table 2

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ANPT	J	POWER RATING
------	---	--------------

Definition: THE AMOUNT OF ELECTRICAL ENERGY THAT CAN BE DISSIPATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ANPTJWA900.0*; ANPTJWB50.0\$\$JWC60.0*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AC33)</u>
D	DECIBELS
K	KILOVOLT-AMPERE
L	KILOWATTS
M	MILLIWATTS
E	VOLT-AMPERE
W	WATTS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABHP	J	OVERALL LENGTH
------	---	----------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$\$JAC2.503*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

FIIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

GA

AEJU D INTERVAL TIMER

Definition: AN INDICATION OF WHETHER OR NOT A DEVICE DESIGNED TO MEASURE AND SIGNAL THE END OF A PREDETERMINED PERIOD OF TIME IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEJUDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL*

AKYD	G	ACCESSORY COMPONENTS AND QUANTITY
------	---	-----------------------------------

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGBOOKLET, INSTRUCTION, 2*)

FIIG T
Section Parts

SECTION: H

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16915*)

HA

APQB	D	UNIT TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 7. (e.g., APQBDAXB*; APQBDAXB\$DAXD*)

ALL

BHJT	D	BASE
------	---	------

Definition: AN INDICATION OF WHETHER OR NOT A BASE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BHJTDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AXGY, AWET, AND BNCQ: IF REPLY CODE C IS ENTERED FOR MRC BHJT, REPLY TO MRC AXGY.

ALL* (See Note Above)

AXGY	D	MOUNTING METHOD
------	---	-----------------

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGYDBEM*; AXGYDABH\$DATL*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
		BEM	BALL PIVOT
		AGA	HAND HELD

ALL* (See Note Proceeding MRC AXGY)

ARZR D INTEGRAL CLAMP

Definition: AN INDICATION AS TO WHETHER OR NOT AN INTEGRAL CLAMP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARZRDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Proceeding MRC AXGY)

AWET D BASE TYPE

Definition: INDICATES THE TYPE OF BASE FURNISHED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWETDAEN*; AWETDAEN\$DAEP*)

<u>REPLY CODE</u>	<u>REPLY (AJ57)</u>
AEN	DETACHABLE
AEP	FIXED

ALL* (See Note Proceeding MRC AXGY)

BNCQ D BURNER POSITION ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE BURNER POSITION IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCQDA*; BNCQDA\$DC*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AB00)</u>
		A	ADJUSTABLE
		C	NONADJUSTABLE

NOTE FOR MRC BNCR: IF REPLY CODE A IS ENTERED FOR MRC BNCQ, REPLY TO MRC BNCR.

ALL* (See Note Above)

BNCR D BURNER ADJUSTMENT POSITION

Definition: THE POSITION(S) TO WHICH THE BURNER CAN BE ADJUSTED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCRDAB*; BNCRDAC\$DAB*)

<u>REPLY CODE</u>	<u>REPLY (AF63)</u>
AC	HORIZONTAL
CN	LATERAL
AB	VERTICAL

NOTE FOR MRC BNCS: IF REPLY CODE C IS ENTERED FOR MRC BNCQ, REPLY TO MRC BNCS.

ALL* (See Note Above)

BNCS D BURNER FIXED POSITION

Definition: THE FIXED POSITION FOR WHICH THE BURNER IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCSDAC*; BNCSDAC\$DAB*)

<u>REPLY CODE</u>	<u>REPLY (AF63)</u>
AC	HORIZONTAL
AB	VERTICAL

HA

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDBTL*; APGFDBTL\$DBTM*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
BTL	MULTIPLE COMBUSTION
BTM	SINGLE COMBUSTION

HA

BNCT	A	FEED TUBE QUANTITY
------	---	--------------------

Definition: THE NUMBER OF FEED TUBES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BNCTA1*)

For nonidentical feed tubes, use AND coding (\$\$) entering in ascending sequence. (e.g., BNCTA1\$\$A2*)

HA

BNCW	D	FEED TUBE USAGE DESIGN
------	---	------------------------

Definition: THE DESIGNED USE OF THE FEED TUBE.

Reply Instructions: Enter the applicable Reply Code from the table below. For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC BNCT. (e.g., BNCWDBTM*; BNCWDBQV\$\$DBTM*)

<u>REPLY CODE</u>	<u>REPLY (AN61)</u>
BQV	AIR
BTM	GAS
BTN	OXYGEN

HA*

BNCX	D	FEED TUBE CONTROL TYPE
------	---	------------------------

Definition: INDICATES THE TYPE OF DEVICE THAT CONTROLS THE FEED TUBE.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. For multiple replies use AND coding (\$\$) entering in the same sequence as MRC BNCT. (e.g., BNCXDBPD*; BNCXDBPD\$\$DBWM*)

REPLY CODE

BPD
BWM

REPLY (AK54)

NEEDLE VALVE
STOPCOCK

HA*

MRC	Mode Code	Requirements
BNCY	D	AIR SUPPLY ADJUSTMENT METHOD

Definition: THE MEANS USED TO ADJUST THE SUPPLY OF AIR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCYDFHL*)

Do not reply to this requirement if air supply is through the feed tube.

REPLY CODE

FHL
BWN

REPLY (AK54)

RING SLEEVE
SCREW SLEEVE

ALL

MRC	Mode Code	Requirements
BNCZ	D	BURNER TIP TYPE

Definition: INDICATES THE TYPE OF BURNER TIP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNCZDACF*; BNCZDACF\$DACG*)

REPLY CODE

AFF
ACE
ACF
ACG
ACH

REPLY (AJ55)

DOUBLE HOLE
FLAME RETAINER
FLAT GRID
ROUND GRID
SINGLE HOLE

HA, HB*

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	BNDB	D	REMOVABLE BURNER TIP
Definition: AN INDICATION OF WHETHER OR NOT A REMOVABLE BURNER TIP(S) IS INCLUDED.			
Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDBDB*)			
		<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
		B	INCLUDED
		C	NOT INCLUDED

ALL*

ANXM A TIP QUANTITY

Definition: THE NUMBER OF TIPS PROVIDED WITH THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ANXMA2*)

For nonidentical tips use AND coding (\$\$) entering in ascending sequence. (e.g., ANXMA1\$\$A2*)

ALL*

ANFG D TIP TYPE

Definition: INDICATES THE TYPE OF TIP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. For multiple replies use AND coding (\$\$) entering in the same sequence as MRC ANXM. (e.g., ANFGDACE*; ANFGDACE\$\$DACF*)

<u>REPLY CODE</u>	<u>REPLY (AJ55)</u>
ACJ	BLOWPIPE
ACE	FLAME RETAINER
ACK	FLARE
ACF	FLAT GRID
ACL	HEAT INTENSIFIER

HB*

BNHS D FLAME SHIELD

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Definition: AN INDICATION OF WHETHER OR NOT A FLAME SHIELD IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNHSDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

HA, HB*

FUEL	D	FUEL TYPE
------	---	-----------

Definition: THE FUEL(S) FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FUELDBA*; FUELDAZ\$DAD*)

<u>REPLY CODE</u>	<u>REPLY (AF80)</u>
BZ	ACETYLENE
CA	ARTIFICIAL GAS
BC	GASOLINE
AZ	LIQUID PETROLEUM GAS
BA	MANUFACTURED GAS
BB	MIXED GAS
AD	NATURAL GAS

HB

CMRG	J	RESERVOIR CAPACITY
------	---	--------------------

Definition: THE AMOUNT OF FLUID THE RESERVOIR IS DESIGNED TO HOLD.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CMRGJAC10.0*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
AC	CUBIC CENTIMETERS
AM	MILLILITERS

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

HB

AXEL	D								PUMP TYPE
------	---	--	--	--	--	--	--	--	-----------

Definition: INDICATES THE TYPE OF PUMP PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXELDK*; AXELDK\$\$DE*; AXELDK\$DE*)

REPLY CODE

K
E

REPLY (AA80)

AXIAL PISTON
RECIPROCATING

ALL*

BNDD	J								HEATING RATE IN BTU
------	---	--	--	--	--	--	--	--	---------------------

Definition: THE RATE OF HEATING, EXPRESSED IN BRITISH THERMAL UNITS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNDDJASA2200.0*; BNDDJASB2200.0\$\$JASC2300.0*)

Table 1

REPLY CODE

AL
AS
AT

REPLY (AG55)

PER CUBIC CENTIMETER
PER CUBIC FOOT
PER CUBIC INCH

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL*

AKYD	G								ACCESSORY COMPONENTS AND QUANTITY
------	---	--	--	--	--	--	--	--	-----------------------------------

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/> <p>Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKYDGBOOKLET, INSTRUCTION, 2*; AKYDGBOOKLET, INSTRUCTION, 2; WICK HOLDER, 2*)</p>			

FIIG T
Section Parts

SECTION: J

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED20327*)

ALL*

BNDF	D	RESERVOIR MATERIAL
------	---	--------------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE RESERVOIR IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BNDFDSTB000*; BNDFDGS0000\$DST0000*; BNDFDSTB000\$DSTD000*)

ALL*

SHPE	D	SHAPE
------	---	-------

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDRT*; SHPEDRT\$DSQ*)

<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
Z	ANY ACCEPTABLE
AN	CYLINDRICAL
RT	RECTANGULAR
SQ	SQUARE

ALL*

BBLT	J	CAPACITY RATING
------	---	-----------------

Definition: A MEASUREMENT OF THE CAPACITY OF AN ITEM.

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BBLTJAF A18.000*; BBLTJAMB500.0\$\$JAMC550.0*)

Table 1

REPLY CODE

AF
CC
AM
AN

REPLY (AG67)

GALLONS
LITERS
MILLILITERS
OUNCES

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

NOTE FOR MRCS ADJU, ADJT, AARX, AFEF, BNDG, BNDH, BNDJ, AND BNDK:
THESE MRCS APPLY TO THE CHARACTERISTICS OF THE RESERVOIR.

ALL* (See Note Above)

ADJU	J	INSIDE LENGTH
------	---	---------------

Definition: A MEASUREMENT OF THE LONGEST INSIDE DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJUA A1.000*; ADJUJLA25.4*; ADJUJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL* (See Note Preceding MRC ADJU)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	ADJT	J	INSIDE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJTJAA1.000*; ADJTJLA25.4*; ADJTJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ADJU)

AARX	J	INSIDE DIAMETER
------	---	-----------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA1.000*; AARXJLA25.4*; AARXJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ADJU)

AFEF J INSIDE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED INSIDE POINTS ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AFEFJAA1.000*; AFEFJLA25.4*; AFEFJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ADJU)

BNDG D RESERVOIR REMOVABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE RESERVOIR IS REMOVABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDGDB*; BNDGDB\$DC*)

REPLY CODE

C

B

REPLY (AC29)

NONREMOVABLE

REMOVABLE

ALL* (See Note Preceding MRC ADJU)

BNDH D CONSTANT WATER LEVEL ATTACHMENT

Definition: AN INDICATION OF WHETHER OR NOT A CONSTANT WATER LEVEL ATTACHMENT IS INCLUDED.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDHDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC ADJU)

BNDJ	D	LOW WATER CUTOFF
------	---	------------------

Definition: AN INDICATION OF WHETHER OR NOT A LOW WATER CUTOFF IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDJDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC ADJU)

BNDK	D	INNER SURFACE COLOR
------	---	---------------------

Definition: THE HUE OR TINT OF THE INNER SURFACE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., BNDKDBL0000*; BNDKDBU0000\$DWH0000*; BNDKDBL0000\$DBU0000*)

ALL*

AEMW	A	COVER QUANTITY
------	---	----------------

Definition: THE NUMBER OF COVERS FURNISHED WITH THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AEMWA5*)

For nonidentical covers, use AND coding (\$\$) entering in ascending sequence. (e.g., AEMWA2\$\$A3*)

ALL*

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AFER	D	COVER TYPE
Definition: INDICATES THE TYPE OF COVER AS DISTINGUISHED BY ITS PARTICULAR DESIGN.			
Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFERDBN*)			
For multiple replies use AND coding (\$\$) entering in the same sequence as MRC AEMW. (e.g., AFERDBN\$\$DBM*)			
		<u>REPLY CODE</u>	<u>REPLY (AD99)</u>
		A	ANY ACCEPTABLE
		BM	CONCENTRIC RING
		BN	GABLE

NOTE FOR MRC BNDL: IF REPLY CODE BM IS ENTERED FOR MRC AFER, REPLY TO MRC BNDL.

ALL* (See Note Above)

BNDL	A	NEST RING QUANTITY
------	---	--------------------

Definition: THE NUMBER OF RINGS IN THE NEST.

Reply Instructions: Enter the quantity. (e.g., BNDLA5*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC AEMW. (e.g., BNDLA3\$\$A2*)

ALL*

AAJU	J	OVERALL LENGTH
------	---	----------------

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAJUJA1.000*; AAJUJL25.4*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

ALL*

AAJV J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g, AAJVJA1.000*; AAJVJL25.4*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL*

AAJW J OVERALL DIAMETER

Definition: THE OVERALL LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAJWJA1.000*; AAJWJL25.4*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL*

AAJT J OVERALL HEIGHT

Definition: THE OVERALL DISTANCE MEASURED IN A STRAIGHT LINE FROM THE TOP TO THE BOTTOM OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAJTJA1.000*; AAJTJL25.4*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
-------------------	---------------------

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

ALL*

AJXW D HINGE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A HINGE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJXWDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL

BNDM D TEST TUBE RACK

Definition: AN INDICATION OF WHETHER OR NOT A TEST TUBE RACK IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDMDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL*

NMBR A QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA1*)

ALL*

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDST0000*; MATLDGS0000\$DST0000*; MATLDST0000\$DWD0000*)		
ALL*			
	SURF	D	SURFACE TREATMENT
	Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., SURFDCDR000*; SURFDCRA000\$DNFG000*; SURFDCRA000\$DCDR000*)		
ALL*			
	ANYW	A	RECEPTACLE QUANTITY
	Definition: THE NUMBER OF RECEPTACLES PROVIDED.		
	Reply Instructions: Enter the quantity. (e.g., ANYWA10*)		
ALL*			
	BNDN	J	RECEPTACLE DIAMETER
	Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE RECEPTACLE, AND TERMINATES AT THE CIRCUMFERENCE.		
	Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric value. (e.g., BNDNJA1.000*; BNDNJL25.4*)		
	<u>REPLY CODE</u>		<u>REPLY (AA05)</u>
	A		INCHES
	L		MILLIMETERS

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

NOTE FOR MRCS LGTH, WDTN, DMTR, AND ABRN: THESE MRCS APPLY TO THE CHARACTERISTICS OF THE TEST TUBE RACK.

ALL* (See Note Above)

LGTH	J	LENGTH
------	---	--------

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., LGTHJA1.000*; LGTHJL25.4*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC LGTH)

WDTH	J	WIDTH
------	---	-------

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., WDTHJA1.000*; WDTHJL25.4*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC LGTH)

DMTR	J	DIAMETER
------	---	----------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., DMTRJA1.000*; DMTRJL25.4*)

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

<u>REPLY CODE</u>	
A	
L	

<u>REPLY (AA05)</u>	
INCHES	
MILLIMETERS	

ALL* (See Note Preceding MRC LGTH)

ABRN	J	HEIGHT
------	---	--------

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN OBJECT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ABRNJA1.000*; ABRNJL25.4*)

<u>REPLY CODE</u>	
A	
L	

<u>REPLY (AA05)</u>	
INCHES	
MILLIMETERS	

ALL*

AFYG	D	HANDLE
------	---	--------

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS FURNISHED WITH A HANDLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFYGDF*)

<u>REPLY CODE</u>	
F	
N	

<u>REPLY (AA55)</u>	
FURNISHED	
NOT FURNISHED	

ALL

BKGK	A	HEATING ELEMENT QUANTITY
------	---	--------------------------

Definition: THE NUMBER OF HEATING ELEMENTS PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BKGKA2*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

For nonidentical elements, use AND coding (\$\$) entering in ascending sequence. (e.g., BKGKA2\$\$A2*)

ALL*

BDXJ	D	HEATING ELEMENT TYPE
------	---	----------------------

Definition: INDICATES THE TYPE OF HEATING ELEMENT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BDXJDABM*)

For multiple replies use AND coding (\$\$) entering in the same sequence as MRC BKGK. (e.g., BDXJDABL\$\$DABM*)

<u>REPLY CODE</u>	<u>REPLY (AN01)</u>
ABL	ELECTRIC IMMERSION
ABM	ELECTRIC NONIMMERSION

ALL*

BBJZ	D	HEATING ELEMENT CURRENT TYPE
------	---	------------------------------

Definition: INDICATES THE TYPE OF HEATING CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBJZDB*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC BKGK. (e.g., BBJZDB\$\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

ALL*

BKGR	J	HEATING ELEMENT VOLTAGE RATING
------	---	--------------------------------

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: THE VOLTAGE VALUE FOR WHICH THE HEATING ELEMENT IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BKGRJVA110.0*; BKGRJVB110.0\$\$JVC115.0*)

For multiple replies use AND coding (\$\$) entering in the same sequence as MRC BKGK. (e.g., BKGRJVA110.0\$\$JVA220.0*)

Table 1

REPLY CODE

L
V

REPLY (AB63)

MILLIVOLTS
VOLTS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL*

BNDP	J	HEATING ELEMENT FREQUENCY RATING
------	---	----------------------------------

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE HEATING ELEMENT IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNDPJEA50.0*; BNDPJEB50.0\$\$JEC60.0*; BNDPJEA50.0\$JEA60.0*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC BKGK. (e.g., BNDPJEA50.0\$\$JEA60.0*)

Table 1

REPLY CODE

E
K

REPLY (AC32)

HERTZ
KILOHERTZ

Table 2

REPLY CODE

A
B

REPLY (AC20)

NOMINAL
MINIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

BBKB D HEATING ELEMENT PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES FOR WHICH THE HEATING ELEMENT IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBKBDA*)

For multiple replies use AND coding (\$\$) entering in the same sequence as MRC BKGK. (e.g., BBKBDA\$\$DC*)

REPLY CODE

A
E
C
B

REPLY (AD02)

SINGLE
SINGLE/THREE
THREE
TWO

ALL*

BBTG B HEATING ELEMENT WATTAGE IN WATTS

Definition: THE RATED POWER THAT THE HEATING ELEMENT CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the numeric value. (e.g., BBTGB400.0*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC BKGK. (e.g., BBTGB400.0\$\$B500.0*)

ALL

BNDQ D AGITATOR

Definition: AN INDICATION OF WHETHER OR NOT AN AGITATOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDQDB*)

FIIG T
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL*

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDC*; ACDCDB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

ALL*

AMSE J VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA110.0*; AMSEJVB110.0\$\$JVC115.0*; AMSEJVA110.0\$\$JVA220.0*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
L	MILLIVOLTS
V	VOLTS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

ACZB

J

FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0\$\$JEC60.0*; ACZBJEA50.0\$JEA60.0*)

Table 1

REPLY CODE

G

E

K

M

REPLY (AC32)

GIGAHERTZ

HERTZ

KILOHERTZ

MEGAHERTZ

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

FAAZ

D

PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDA\$DB*)

REPLY CODE

A

E

C

B

REPLY (AD02)

SINGLE

SINGLE/THREE

THREE

TWO

ALL*

BDWW

J

WATTAGE RATING

Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BDWWJAT400.0*)

<u>REPLY CODE</u>	<u>REPLY (AB49)</u>
BC	KILOWATTS
AT	WATTS

ALL

AFGA J OPERATING TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF TEMPERATURE AT WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede negative values with the letter M and positive values with the letter P. (e.g., AFGAJCP30.0/P100.0*)

<u>REPLY CODE</u>	<u>REPLY (AB36)</u>
C	DEG CELSIUS
F	DEG FAHRENHEIT

ALL

BNDR D THERMOREGULATOR

Definition: AN INDICATION OF WHETHER OR NOT A THERMOREGULATOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNRDDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL*

BNDS J ACCURACY RANGE

Definition: THE RANGE OF ACCURACY FOR WHICH THE ITEM IS DESIGNED.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values. Precede negative values with the letter M and positive values with the letter P, separated by a slash. (e.g., BNDSJGTM0.5/P0.5*)

<u>REPLY CODE</u>	<u>REPLY (AG67)</u>
GT	DEG CELSIUS
GW	DEG FAHRENHEIT

ALL

BNDT	G	TEMP REGULATING SETTINGS
------	---	--------------------------

Definition: AN INDICATION OF THE TEMPERATURE REGULATING SETTINGS OF THE ITEM.

Reply Instructions: Enter the reply in clear text in order of increasing temperature, separating multiple replies with a semicolon. (e.g., BNDTG37 DEG C; 56 DEG C*; BNDTGLOW; MEDIUM; HIGH HEAT*)

ALL

BNDW	D	COOLING COILS FOR BELOW ROOM TEMP USE
------	---	--

Definition: AN INDICATION OF WHETHER OR NOT COOLING COILS FOR BELOW ROOM TEMPERATURE USE ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDWDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL*

AAXX	D	MOUNTING TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDBW*)

<u>REPLY CODE</u>	<u>REPLY (AA78)</u>
A	ANY ACCEPTABLE
BW	LEG
HT	STAND

ALL

AHGR D INSULATED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN INSULATED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHGRDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

ALL*

AQSE A BOMB QUANTITY ACCOMMODATED

Definition: THE NUMBER OF BOMBS ACCOMMODATED BY THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AQSEA5*)

ALL

BNDX D THERMOMETER OPENING

Definition: AN INDICATION OF WHETHER OR NOT A THERMOMETER OPENING IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDXDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL*

AXPY	A	OPENING QUANTITY
------	---	------------------

Definition: THE NUMBER OF OPENINGS IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AXPYA2*)

ALL

BNDY	D	PILOT LIGHT
------	---	-------------

Definition: AN INDICATION OF WHETHER OR NOT A PILOT LIGHT IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNDYDB*)

REPLY CODE

B
C

REPLY (AA49)

INCLUDED
NOT INCLUDED

ALL*

AKYD	G	ACCESSORY COMPONENTS AND QUANTITY
------	---	-----------------------------------

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKYDGBOOKLET, INSTRUCTION, 2*; AKYDGBOOKLET, INSTRUCTION, 2; CIRCULATING PUMPS, 2*)

FIIG T
Section Parts

SECTION: K

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13442*)

ALL

APQB	D	UNIT TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 7. (e.g., APQBDAXP*; APQBDAXC\$DAXP*)

ALL

ATPJ	A	HEAD PLACE QUANTITY
------	---	---------------------

Definition: THE NUMBER OF PLACES PROVIDED IN THE HEAD.

Reply Instructions: Enter the quantity. (e.g., ATPJA16*)

ALL*

AFJE	G	SPECIFIC EQUIPMENT ACCOMMODATED
------	---	---------------------------------

Definition: THE NAME OF THE EQUIPMENT THE ITEM IS SPECIFICALLY DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the reply in clear text. (e.g., AFJEGONE 50 ML CUP*)

ALL

ADAV	J	OVERALL DIAMETER
------	---	------------------

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

FIIG T
Section Parts

APP									
Key	MRC	Mode Code	Requirements						

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA1.000*; ABTBJLA25.4*; ABTBJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

FIIG T
Section Parts

APP

Key MRC Mode Code Requirements

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGRUBBER SLEEVE CUSHIONS, 8*)

FIIG T
Section Parts

SECTION: L

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable item name code from the index appearing in the General Information Section. (e.g., NAMED17201*)

LB

APGF	D	DESIGN TYPE
------	---	-------------

Definition: INDICATES OF THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDFJA*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
FHZ	MIXING HEAD
FJA	OUTPUT SHAFT DRIVE

NOTE FOR MRCS BNFC, BNFD, BNFF, AND ANYW: IF REPLY CODE FJA IS ENTERED FOR MRC APGF, REPLY TO MRCS BNFC, BNFD, AND BNFF AS APPLICABLE. IF REPLY CODE FHZ IS ENTERED FOR MRC APGF, REPLY TO MRC ANYW.

LB* (See Note Above)

BNFC	D	OUTPUT SHAFT DRIVE TYPE
------	---	-------------------------

Definition: INDICATES THE TYPE OF DRIVE FOR TURNING, ROTATING, OR POSITIONING THE OUTPUT SHAFT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNFCDAC*; BNFCDAF\$\$DAG*; BNFCDAF\$DAG*)

<u>REPLY CODE</u>	<u>REPLY (AG25)</u>
AC	DIRECT
AF	FRICTION
AG	GEAR

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

NOTE FOR MRC BNFD: REPLY TO MRC BNFD IF REPLY CODE AF OR AG IS ENTERED FOR MRC BNFC.

LB* (See Note Above and Preceding MRC BNFC)

BNFD	A	REDUCTION RATIO
------	---	-----------------

Definition: THE MAXIMUM TO MINIMUM REDUCTION RATIO, WITH THE LARGER RELATIVE PROPORTION GIVEN, THE LOWER VALUE HAVING AN IMPLIED (NOT GIVEN) VALUE OF ONE (UNITY).

Reply Instructions: Enter the ratio.

(e.g., BNFDA8-1/2*)

Enter multiple replies using AND coding (\$\$) in the same sequence as MRC BNFC.
(e.g., BNFDA5\$\$A8*; BNFDA5\$A8*)

LB* (See Note Preceding MRC BNFC)

BNFF	G	OUTPUT SHAFT POSITION
------	---	-----------------------

Definition: THE POSITION OF THE OUTPUT SHAFT ON THE ITEM.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., BNFFG90 DEG HORIZONTAL POSITION FROM MOTOR SHAFT; ON END OF MOTOR SHAFT*)

LB* (See Note Preceding MRC BNFC)

ANYW	A	RECEPTACLE QUANTITY
------	---	---------------------

Definition: THE NUMBER OF RECEPTACLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g, ANYWA2*)

LA*

BNFG	J	OUTPUT SHAFT DIAMETER
------	---	-----------------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE OUTPUT SHAFT, AND TERMINATES AT THE CIRCUMFERENCE.

FIIG T
Section Parts

APP
Key

MRC

Mode Code

Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g, BNFGJAA1.000*; BNFGJLA25.4*; BNFGJAB2.495\$\$JAC2.503*)

Enter multiple replies in the same sequence as MRC BNFC. (e.g., BNFGJAA0.250\$\$JAA0.350*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ATPR

B

MAXIMUM SPEED RATING IN RPM

Definition: THE MAXIMUM SPEED AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. For items with multiple replies use AND coding (\$\$). (e.g., ATPRB5000.0*; ATPRB500.0\$\$B5000.0*)

ALL

BNFH

D

INTEGRAL SPEED CONTROL

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL SPEED CONTROL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNFHDB*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

NOTE FOR MRC BNFJ: REPLY TO MRC BNFJ IF REPLY CODE B IS ENTERED FOR MRC BNFH.

ALL* (See Note Above)

BNFJ	F	SPEED CONTROL RANGE IN RPM
------	---	----------------------------

Definition: THE SPEED CONTROL RANGE, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric values separated by a slash. Precede negative values with the letter M and positive values with the letter P. (e.g., BNFJFP250.0/P1000.0*)

Enter multiple replies using AND coding (\$\$). (e.g., BNFJFP50.0/P500.0\$\$FP500.0/P11000.0*)

LA

BNFK	J	ACCOMMODATED STIRRING ROD MAXIMUM DIAMETER
------	---	--

Definition: THE MAXIMUM LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE ACCOMMODATED STIRRING ROD, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BNFKJA1.000*; BNFKJLA25.4*)

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

LB

AAXX	D	MOUNTING TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDACF*)

REPLY CODE

REPLY (AA78)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		ACE ACF	BENCH FLOOR

LA*

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGYDABC*; AXGYDABC\$DBER*)

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
ABB	BASE
ABC	BRACKET
BER	C-CLAMP
BES	ROD CLAMP
AJS	SUPPORT ROD
BET	UNIVERSAL CLAMP

LA

BNFN D STIRRING POSITION ADJUSTMENT FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A STIRRING POSITION ADJUSTMENT FEATURE IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNFNDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

LA*

BNFL D ADJUSTMENT DIRECTION

Definition: THE DIRECTION IN WHICH THE ITEM IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNFLDCP*; BNFLDCP\$DCQ*)

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

<u>REPLY CODE</u>	<u>REPLY (AF63)</u>
CP	DOWN
AX	UNIVERSAL
CQ	UP

LA*

AREG D ADJUSTMENT METHOD

Definition: THE MEANS PROVIDED TO ADJUST AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AREGDADZ*; AREGDADZ\$DAEA*)

<u>REPLY CODE</u>	<u>REPLY (AL41)</u>
AFG	SCREW CHUCK
ADZ	SWIVEL-HANDWHEEL
AEA	SWIVEL-SETSCREW
AEB	SWIVEL-THUMBSCREW

ALL

BGXR D PRIME MOVER CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT OF THE PRIME MOVER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BGXRDB*; BGXRDB\$DC*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

ALL*

AMSE J VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

FIIG T
Section Parts

APP										
Key	MRC	Mode Code	Requirements							

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA110.0*; AMSEJVB110.0\$\$JVC115.0*)

Table 1

REPLY CODE

K

V

REPLY (AB63)

KILOVOLTS

VOLTS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0\$\$JEC60.0*; ACZBJEA50.0\$JEA60.0*)

Table 1

REPLY CODE

E

K

REPLY (AC32)

HERTZ

KILOHERTZ

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA\$DB*)

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL*

AHZX B PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB0.100*)

LA

BNFM D ATTACHED EXTENSION CORD

Definition: AN INDICATION OF WHETHER OR NOT AN ATTACHED EXTENSION CORD IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNFMDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

LA*

AHFY J EXTENSION CORD LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE EXTENSION CORD, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AHFYJF6.583*; AHFYJM3.0*)

See Appendix C, Table 2 for conversion of inches to decimals of a foot.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
		F	FEET
		M	METERS

LA

AEZD D SWITCH

Definition: AN INDICATION OF WHETHER OR NOT A DEVICE USED TO OPEN OR CLOSE AN ELECTRICAL CIRCUIT IS INCLUDED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEZDDB*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

LA*

AEEA D SWITCH TYPE

Definition: INDICATES THE TYPE OF SWITCH INCLUDED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEEADAG*; AEEADFZ\$DAG*)

<u>REPLY CODE</u>	<u>REPLY (AC82)</u>
FZ	AUTOMATIC
GA	ROTARY SPEED CONTROL
AG	TOGGLE

LA

AFYG D HANDLE

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS FURNISHED WITH A HANDLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFYGDF*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AA55)</u>
		F	FURNISHED
		N	NOT FURNISHED

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGROD, STIRRING, 1*)

FIIG T
Section Parts

SECTION: M

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13455*)

MA*

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDALC000*; MATLDAL0000\$DRC0000*; MATLDALC000\$DAL0000*)

MA

APQB	D	UNIT TYPE
------	---	-----------

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 7. (e.g., APQBDAXJ*; APQBDAXG\$DAXM*; APQBDANM\$DAXJ*)

MA*

ANEH	D	DESIGN DESIGNATION
------	---	--------------------

Definition: THE DESIGNATION DERIVED FROM THE NAME OF THE DESIGNER OR USE FOR WHICH THE ITEM IS INTENDED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 9. (e.g., ANEHDBPD*; ANEHDBPD\$DBPE*)

MA

ACSV	J	TUBE OUTSIDE DIAMETER FOR WHICH DESIGNED
------	---	--

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBE FOR WHICH DESIGNED, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACSVJAA1.000*; ACSVJLA25.4*; ACSVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

MA

AXQE	D	MOUNTING BASE
------	---	---------------

Definition: AN INDICATION OF WHETHER OR NOT A MOUNTING BASE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXQEDB*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

MB

BHHW	J	MATERIAL ACCOMMODATED DIAMETER
------	---	--------------------------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MATERIAL ACCOMMODATED, AND TERMINATES AT THE CIRCUMFERENCE.

FIIG T
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BHHWJAA1.250*; BHHWJLA25.4*; BHHWJAB1.200\$\$JAC1.300*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

MB*

BYKK D SINGLE LEVER PATTERN TYPE

Definition: INDICATES THE TYPE OF SINGLE LEVER PATTERN PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYKKDDBD*)

REPLY CODE

DBD
DFE
DFD
AMN

REPLY (AK54)

CURVED
DOUBLE CUTTING
DUCKBILL COMBINATION
STRAIGHT

MB*

BYKL D COMPOUND LEVER CUT TYPE

Definition: INDICATES OF THE TYPE OF COMPOUND LEVER CUT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BYKLDDZ*)

REPLY CODE

DZ
EA

REPLY (AL18)

COMBINATION
LEFT-HAND

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		EB AN	RIGHT-HAND STRAIGHT

MB*

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA0.250*; ABRYJLA6.7*; ABRYJAB0.245\$\$JAC0.255*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

MB*

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.250*; ABGLJLA6.7*; ABGLJAB0.245\$\$JAC0.255*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

REPLY (AC20)

NOMINAL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

MB*

HGTH J HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF AN OBJECT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., HGTHJAA0.250*; HGTHJLA25.0*; HGTHJAB0.250\$JAC0.300*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

SECTION: N

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17190*)

NB

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDAL0000*; MATLDAS0000\$DCX0000*; MATLDAL0000\$DWD0000*)

NB

SHPE	D	SHAPE
------	---	-------

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDRT*; SHPEDRT\$DSQ*)

<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
Z	ANY ACCEPTABLE
AN	CYLINDRICAL
RT	RECTANGULAR
SQ	SQUARE

NB

BHJT	D	BASE
------	---	------

Definition: AN INDICATION OF WHETHER OR NOT A BASE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BHJTDB*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
		B	INCLUDED
		C	NOT INCLUDED

NB*

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGYDABC*; AXGYDABC\$DBER*)

<u>REPLY CODE</u>	<u>REPLY (AM39)</u>
ABB	BASE
ABC	BRACKET
BER	C-CLAMP
BES	ROD CLAMP
AJS	SUPPORT ROD
BET	UNIVERSAL CLAMP

ALL*

AESH D BASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE BASE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AESHDFA000*; AESHDBR0000\$DNF0000*; AESHDFA000\$DBH0000*)

ALL*

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 8. (e.g., SURFDAPG000*; SURFDCRA000\$DNFG000*; SURFDAPG000\$DENC000*)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

NA, NB*

BNJT	D	BASE CONSTRUCTION
------	---	-------------------

Definition: THE STRUCTURAL CHARACTERISTIC(S) OF THE BASE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNJTDADW*; BNJTDAFE\$DADW*)

REPLY CODE

AFE
ADW
AFF

REPLY (AL59)

L-SHAPED
RECTANGULAR
TRIPOD

NOTE FOR MRCS BGKB, BNFP, AND BNFQ: IF REPLY CODE ADW IS ENTERED FOR MRC BNJT, REPLY TO MRCS BGKB AND BNFP. IF REPLY CODE AFE OR AFF IS ENTERED FOR MRC BNJT, REPLY TO MRC BNFQ.

ALL* (See Note Above)

BGKB	J	BASE OVERALL LENGTH
------	---	---------------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE BASE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BGKBJAA1.000*; BGKBJLA25.4*; BGKBJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL* (See Note Preceding MRC BGKB)

BNFP	J	BASE OVERALL WIDTH
------	---	--------------------

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE BASE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNFPJAA1.000*; BNFPJLA25.4*; BNFPJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC BGKB)

BNFQ	J								LEG OVERALL LENGTH
------	---	--	--	--	--	--	--	--	--------------------

Definition: AN OVERALL MEASUREMENT OF THE LONGEST DIMENSION OF THE LEG, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNFQJAA1.000*; BNFQJLA25.4*; BNFQJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

NA*

BNFR	D								SUPPORT ROD MATERIAL
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FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SUPPORT ROD IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., BNFRDFE0000*; BNFRDNF0000\$DST0000*; BNFRDALC000\$DST0000*)

NA*

BNFS	D	SUPPORT ROD SURFACE TREATMENT
------	---	-------------------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SUPPORT ROD SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 8. (e.g., BNFSDEC000*; BNFSDCRA000\$DNFG000*; BNFSNAN0000\$DCUAH00*)

NA*

ABHP	J	OVERALL LENGTH
------	---	----------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

NA*

ADAV	J	OVERALL DIAMETER
------	---	------------------

FIIG T
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

NA

BNFT	D	SUPPORT ROD DETACHABILITY
------	---	---------------------------

Definition: AN INDICATION OF WHETHER OR NOT THE SUPPORT ROD IS DETACHABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNFTDAC*; BNFTDAC\$DAD*)

REPLY CODE

AC

AD

REPLY (AH97)

DETACHABLE

NOT DETACHABLE

NA*

BNFW	G	SUPPORT ROD LOCATION
------	---	----------------------

Definition: INDICATES THE LOCATION OF THE SUPPORT ROD ON THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BNFWGCENTER OF LONG SIDE OF BASE*)

ALL*

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	AKYD	G	ACCESSORY COMPONENTS AND QUANTITY
Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.			
Reply Instructions: Enter the reply in clear text. (e.g., AKYDGTWO PLACE FUNNEL SUPPORT, 1*)			

FIIG T
Section Parts

SECTION: P

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED17077*)

PA

BNFX	A	WELL QUANTITY
------	---	---------------

Definition: THE NUMBER OF WELLS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BNFXA1*)

For nonidentical wells, use AND coding (\$\$). (e.g., BNFXA1\$\$A2*)

PA*

BMBK	J	WELL DIAMETER
------	---	---------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE WELL, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BMBKJAA1.000*; BMBKJLA25.4*; BMBKJAB2.495\$\$JAC2.503*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC BNFX. (e.g., BMBKJAA1.000\$\$JAA1.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

PA*

BMBM J WELL DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON A WELL, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g, BMBMJAA1.000*; BMBMJLA25.4*; BMBMJAB2.495\$\$JAC2.503*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC BNFX. (e.g., BMBMJAA2.000\$\$JAA2.500*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

PA

BLCN A TIER QUANTITY

Definition: THE NUMBER OF TIERS CONTAINED IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BLCNA1*)

PA*, PB*, PD

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

FIIG T
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. If item is constructed of wood, enter a specific wood reply. (e.g., MATLDWDH000*; MATLDRC0000\$DWDL000*; MATLDWDH000\$DWDL000*)

PA*, PB*

SURF	D	SURFACE TREATMENT
------	---	-------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instruction: Enter the applicable Reply Code from [Appendix A](#), Table 8. (e.g., SURFDGB0000*; SURFDCRA0000\$DNFG000*; SURFDCDR000\$DENC000*)

PA*

HUES	D	COLOR
------	---	-------

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., HUESDAM0000*)

ALL*

ABHP	J	OVERALL LENGTH
------	---	----------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

REPLY (AC20)

NOMINAL

MINIMUM

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

REPLY (AC20)

NOMINAL

MINIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	C		MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

PD*

AKYD G ACCESSORY COMPONENTS AND
QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKYDGINSTRUCTION BOOKLET, 1*; AKYDGINSTRUCTION BOOKLET, 1; TUBING, 2*)

ALL*

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,
CBBLDDJX*; CBBLDBHQ\$\$DEBH*)

REPLY CODE

BHQ
DJX
ECN
ECP
EBH

REPLY (AN47)

AUTOCLAVABLE
CLAMP LOCK
W/HANDLE
W/O HANDLE
WATER RESISTANT

FIIG T
Section Parts

SECTION: Q

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13635*)

QB

BNFY	J	TRIANGLE SIDE INSIDE LENGTH
------	---	-----------------------------

Definition: A MEASUREMENT OF THE LONGEST INSIDE DIMENSION OF THE TRIANGLE SIDE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BNFYJA1.000*; BNFYJL25.4*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

QA*, QB*

AQSJ	D	WIRE MATERIAL
------	---	---------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE WIRE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AQSJDSTB000*; AQSJDNF0000\$DST0000*; AQSJDSTB000\$DSTD000*)

QB

BNFZ	D	WIRE CROSS-SECTIONAL SHAPE
------	---	----------------------------

Definition: THE GEOMETRIC CONFIGURATION OF THE WIRE WHEN VIEWED IN CROSS-SECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNFZDSQ*)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
		A	ANY ACCEPTABLE
		RD	ROUND
		SQ	SQUARE
QB*			
	BFDJ	D	WIRE SURFACE TREATMENT
	Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE WIRE SURFACE.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., BFDJDCUAH00*; BFDJDCDR000\$DENC000*; BFDJDCUAH00\$DVA0000*)		
QA*			
	BNGB	D	CENTER PATCH MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CENTER PATCH IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., BNGBDASH000*; BNGBDASH000\$DAS0000*)		
QB*			
	AFTB	D	SLEEVE MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SLEEVE IS FABRICATED.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AFTBDABBG00*; AFTBDABBG00\$DCSA000*)		
ALL*			
	ABHP	J	OVERALL LENGTH
	Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.		

FIIG T
Section Parts

APP	MRC	Mode Code	Requirements
Key			

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

ALL*

ABNM J THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

FIG T

Section Parts

APP

Key	MRC
-----	-----

Mode Code

Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA1.000*; ABNMJLA25.4*; ABNMJAB2.495\$\$JAC2.503*)

Table 1REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

AARX

J

INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA1.000*; AARXJLA25.4*; AARXJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

ABKV

J

OUTSIDE DIAMETER

FIIG T
Section Parts

APP										
Key	MRC		Mode Code							Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA1.000*: ABKVJLA25.4*; ABKVJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

BNGC										
		J								CENTER PATCH DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CENTER PATCH, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BNGCJAA1.000*; BNGCJLA25.4*; BNGCJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

QA

BNGD	J	MESH COUNT
------	---	------------

Definition: THE NUMBER OF OPEN SPACES BETWEEN THE YARNS PER MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BNGDJC10*; BNGDJC10\$JC11*; BNGDJJ4*)

REPLY CODE

C
J

REPLY (AB39)

PER INCH
PER MILLIMETER

QA

AGCW	J	WIRE DIAMETER
------	---	---------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE WIRE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGCWJAA1.000*; AGCWJLA25.4*; AGCWJAB2.495\$\$JAC2.503*)

Table 1

REPLY CODE

A
L

REPLY (AA05)

INCHES
MILLIMETERS

Table 2

REPLY CODE

A
B
C

REPLY (AC20)

NOMINAL
MINIMUM
MAXIMUM

SECTION: R

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED21996*)

ALL*

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATLDAL0000*; MATLDALC000\$DBR0000*; MATLDAL0000\$DBR0000*)

ALL*

SURF	D	SURFACE TREATMENT
------	---	-------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 8. (e.g., SURFDCRA000*; SURFDCUAH00\$DNFG000*; SURFDFN0000\$DNFG000*)

ALL

ASYY	D	JAW TYPE
------	---	----------

Definition: INDICATES THE TYPE OF JAW FURNISHED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASYYDAK*)

For nonidentical jaws use AND coding (\$\$), entering in Reply Code sequence. (e.g., ASYYDAK\$\$DAL*)

REPLY CODE

REPLY (AK42)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		AK	DUPLEX
		AL	SINGLE

ALL*

ARQS D CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARQSDAFA*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC ASYY. (e.g., ARQSDAFB\$\$DAFA*)

<u>REPLY CODE</u>	<u>REPLY (AL59)</u>
AJD	CHAIN
AHW	DIAMOND
AEZ	FINGER
AFC	ROUND
AFD	V-SHAPED
AFA	3-PRONG
AFB	4-PRONG

ALL*

BNGG J MAXIMUM CLAMPING DIAMETER

Definition: THE MAXIMUM LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CLAMPING FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BNGGJA1.000*; BNGGJL12.0*)

For multiple replies, use AND coding (\$\$) entering in the same sequence as MRC ARQS. (e.g., BNGGJA1.000\$\$JA1.250*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL*

AFTB	D	SLEEVE MATERIAL
------	---	-----------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SLEEVE IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., AFTBDPC0000*)

For multiple replies, use AND/OR coding (\$\$/ \$) entering in the same sequence as MRC BNGG. (e.g., AFTBDPC0000\$\$DPC0000\$DRC0000*)

ALL

BNGF	D	JAW ARMS ADJUSTMENT METHOD
------	---	----------------------------

Definition: THE MEANS USED TO ADJUST THE JAW ARMS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNGFDABK*)

<u>REPLY CODE</u>	<u>REPLY (AL28)</u>
ACA	ADJUSTING THUMBSCREW
ABF	SINGLE BOLT
ABJ	SINGLE NUT
ACG	SLIDE WITH HOOK
ABK	SPRING LEVER
ABG	2-BOLT INDIVIDUAL
ABH	2-SCREW INDIVIDUAL

ALL

BNGH	D	SWIVEL JAW
------	---	------------

Definition: AN INDICATION OF WHETHER OR NOT A SWIVEL JAW IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNGHDB*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

ALL*

AQTG	D	CONTROL METHOD
------	---	----------------

Definition: THE MEANS BY WHICH THE ITEM IS CONTROLLED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQTGDABM*)

REPLY CODE

ABL
A
ABM

REPLY (AL28)

ADJUSTING NUT
ANY ACCEPTABLE
WING SCREW

ALL

BNGJ	D	INTEGRAL ATTACHMENT PROVISION
------	---	-------------------------------

Definition: AN INDICATION OF WHETHER OR NOT A MEANS IS PROVIDED FOR INTEGRAL ATTACHMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNGJDB*)

REPLY CODE

C
B

REPLY (AB22)

NOT PROVIDED
PROVIDED

ALL*

ABSX	D	ATTACHMENT METHOD
------	---	-------------------

Definition: THE MEANS USED TO ATTACH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ABSXDMQ*)

REPLY CODE

A
MP
MQ

REPLY (AB47)

ANY ACCEPTABLE
ROD CLAMP
SCREW

FIIG T
Section Parts

APP									
Key	MRC		Mode Code						Requirements

ALL*

BNGK D ATTACHMENT FACILITY LOCATION

Definition: INDICATES THE LOCATION OF AN ITEM WHICH HAS THE ATTACHMENT FACILITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BNGKDABB*)

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
A	ANY ACCEPTABLE
AHP	CENTER
ABB	END

ALL*

BNGL J ROD MAXIMUM CLAMPING DIAMETER

Definition: THE MAXIMUM LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CLAMPING FOR WHICH THE ROD IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BNGLJA0.750*; BNGLJL15.0*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495\$\$JAC2.503*)

FIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
		<u>Table 1</u>	
		<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

SECTION: STANDARD

APP

Key MRC Mode Code Requirements

ALL * (See Note Preceding MRC CBBL)

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321\$\$JB5556A-663654*;

TESTJAA2345-654321\$JB55566-663654*)

REPLY
CODE

REPLY (AC28)

A

SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)

B

STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
--	--	---	---

ALL*

SPCL	G	SPECIAL TEST FEATURES	
------	---	-----------------------	--

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK	J	SPECIFICATION/STANDARD DATA	
------	---	-----------------------------	--

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103*)

FIIG T
Section Parts

APP

Key MRC Mode Code Requirements

<u>REPLY CODE</u>	<u>REPLY (AN62)</u>
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STANDARD/SPECIFICATION
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$JSTA*; ZZZTJTY1\$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
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ALL*

ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
------	---	---------------------------------

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
------	---	--

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL	A	CRITICALITY CODE JUSTIFICATION
------	---	--------------------------------

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL\$\$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

FIIG T
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ENAC	D	ENVIRONMENTAL ATTRIBUTE CODE
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Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDF9*)

<u>REPLY</u> <u>CODE</u>	<u>REPLY (EN02)</u>
F9	LOW STANDBY POWER — MAJOR APPLIANCES — MICROWAVE OVENS

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

PRPY	A	PROPRIETARY CHARACTERISTICS
------	---	-----------------------------

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL\$\$ASURF*)

ALL*

ELRN	G	EXTRA LONG REFERENCE NUMBER
------	---	-----------------------------

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

FIIG T
Section Parts

APP

Key MRC Mode Code Requirements

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY
CODE
A

REPLY (AN58)

ADDITIONAL DESCRIPTIVE DATA ON MANUAL
RECORD

FIIG T
Section Parts

SECTION: SUPPTECH

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

CBME	J	CUBIC MEASURE
------	---	---------------

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCF1.000*; CBMEJCC27.0*)

<u>REPLY CODE</u>	<u>REPLY (AD42)</u>
CC	CUBIC CENTIMETERS
CF	CUBIC FEET
CN	CUBIC INCHES
CM	CUBIC METERS

ALL

AGAV	G	END ITEM IDENTIFICATION
------	---	-------------------------

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

SUPP	G	SUPPLEMENTARY FEATURES
------	---	------------------------

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
	<p>Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.</p> <p>Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.</p> <p>(e.g., ZZZPJ81337-30624*)</p>		
ALL			
	ZZZV	G	FSC APPLICATION DATA
	<p>Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.</p> <p>Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)</p>		
ALL			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
	<p>Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g, CLAMP, RUBBER TUBING, SHUTOFF*)</p>		
ALL			
	HZRD	D	HAZARDOUS SUBSTANCES
	<p>Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.</p> <p>Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ042*; HZRDDHAZ042\$DHAZ012*)</p>		

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		<u>REPLY CODE</u>	<u>REPLY (HZ00)</u>
		HAZ042	ASBESTOS
		HAZ008	CADMIUM
		HAZ011	CHROMIUM
		HAZ012	COPPER
		HAZ092	MAGNESIUM
		HAZ381	NITROCELLULOSE
		HAZ277	PHENOL
		HAZ052	ZINC

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Table 1 - MATERIALS
MATERIALS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0454	ALUMINUM ALLOY, QQ-A-591, ALLOY A380
AL1451	ALUMINUM ALLOY, QQ-A-591, COMP 10
ABA000	ALUMINUM OXIDE
A	ANY ACCEPTABLE
AS0000	ASBESTOS
BR0000	BRASS
BN0000	BRONZE
CSA000	CELLULOSE
CSE000	CELLULOSE ACETATE
CX0000	CEMENT
CXC000	CEMENT, PORTLAND
CJ0000	CERAMIC
KY0000	CLAY
CU0000	COPPER
CK0000	COPPER ALLOY
ABT000	CORUNDUM
GN0000	GELATIN
GS0000	GLASS
GSR000	GLASS, BOROSILICATE
GS0076	GLASS, DD-G-451, TYPE 2
GS0167	GLASS, FED DD-G-541, TYPE 1
GS0035	GLASS, FED DD-G-541, TYPE 1, CLASS A
GS0166	GLASS, FED DD-G-541, TYPE 2
GSM000	GLASS FIBER
GSN000	GLASS, SODA-LIME
WDAE00	HARDWOOD
FE0000	IRON
FEA000	IRON, CAST
FEAD00	IRON, GALVANIZED
MG0000	MAGNESIUM
MNA000	MANGANESE BRONZE
ME0000	METAL
AY0000	MICA
MWD000	MINERAL, MULLITE
NF0000	NICKEL
NFF000	NICKEL ALLOY
NFH000	NICKEL-CHROMIUM ALLOY (Chromel)
NC0000	NICKEL COPPER ALLOY (Monel)
NFT000	NICKEL STEEL
CSR000	NITROCELLULOSE
NLA000	NONFERROUS ALLOY

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APPENDIX A

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
NY0000	NYLON
PF0000	PAPER
PV0000	PHENOL
PC0000	PLASTIC
PCC000	PLASTIC, ACRYLIC
PCA000	PLASTIC, ACRYLONITRILE-BUTADIENE-STYRENE (ABS)
PCAAAR	PLASTIC, CELLULOSE ACETATE
PCG000	PLASTIC, CELLULOSE ACETATE BUTYRATE
PCAA00	PLASTIC, PHENOL-FORMALDEHYDE (Bakelite)
PCCR00	PLASTIC, POLYETHYLENE
PCAF00	PLASTIC, POLYPROPYLENE
PCAG00	PLASTIC, POLYSTYRENE
PCAH00	PLASTIC, POLYTETRAFLUOROETHYLENE (Teflon)
PCAK00	PLASTIC, POLYVINYL CHLORIDE
PCDDDE	PLASTIC, STYRENE
PCAV00	PLASTIC, STYRENE ACRYLONITRILE
PCAAAX	PLASTIC, VINYL
BH0000	PORCELAIN
RL0000	RAYON
WDAAAA	ROSEWOOD, HONDURAS
RC0000	RUBBER
RCH000	RUBBER, CHLOROPRENE (Neoprene)
RCAZ00	RUBBER, HARD
RCN000	RUBBER, LATEX
RCB000	RUBBER, NATURAL
RCC000	RUBBER, SYNTHETIC
ABBG00	SILICA
ST0000	STEEL
STAABM	STEEL, ANNEALED
ST1052	STEEL, CARBON
STC000	STEEL, COLD ROLLED
STB000	STEEL, CORROSION RESISTING
ST2504	STEEL, FED STD 66, CRES 400 SERIES
ST0597	STEEL, GALVANIZED
STD000	STEEL, STAINLESS
SNP000	TIN ALLOY
SNAG00	TIN, BLOCK
VE0000	VERMICULITE
	Vinyl (use REPLY CODE PCAAAX)
WEX000	WIRE MESH
WEF000	WIRE, STEEL
WD0000	WOOD
WDH000	WOOD, BEECH
WDA000	WOOD, MAPLE
WDL000	WOOD, OAK
WDAAF0	WOOD, ROSEWOOD
WDD000	WOOD, WALNUT
WDAAAQ	WOOD, YELLOW PINE

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ZNL000	ZINC ALLOY
ZN0116	ZINC ALLOY, QQ-Z-363, COMP A
ZN0167	ZINC ALLOY, QQ-Z-363, COMP AG40A

Table 2 - END TYPES
END TYPES

<u>REPLY CODE</u>	<u>REPLY (AK84)</u>
ACA	BEVELED
ACB	FLAT
AAH	KNOB
ACC	OPEN
ACD	PADDLE
ACE	RECTANGULAR
AAK	ROUNDED
ACF	SEALED
ACG	SPOON
ACH	TRIANGULAR

Table 3 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 4 - COLORS
COLORS

<u>REPLY CODE</u>	<u>REPLY (AD06)</u>
AM0000	AMBER
A	ANY ACCEPTABLE
BE0000	BEIGE
BL0000	BLACK
BU0000	BLUE
BU0026	BLUE, LIGHT
BR0000	BROWN
CR0000	CREAM
GY0000	GRAY
GR0000	GREEN
PU0033	LAVENDER
RG0000	ORANGE
PK0000	PINK
RE0000	RED
TA0000	TAN
WH0000	WHITE
YE0000	YELLOW
	Yellow-Cream (use REPLY CODE YE0000 and CR0000)

Table 5 - CHEMICALS/DRUGS
CHEMICALS/DRUGS

<u>REPLY CODE</u>	<u>REPLY (AG54)</u>
A0103	ACID CITRATE DEXTROSE
B3084	AMMONIUM HEPARIN
A0668	AMMONIUM OXALATE
A	ANY ACCEPTABLE
A2761	CITRIC ACID
A3915	DISODIUM EDETATE
B2674	DISODIUM ETHYLENEDIAMINETETRAACETATE DIHYDRATE
A9461	HEPARIN SODIUM
B2676	LIQUID EDTA
B3085	LITHIUM HEPARIN
A6160	LITHIUM OXALATE
A6944	MINERAL OIL
B2677	PHYSIOLOGICAL SALINE
A8418	POTASSIUM OXALATE
B2679	POWDERED EDTA
A9414	SODIUM CHLORIDE
A9421	SODIUM CITRATE
A9451	SODIUM FLUORIDE
	Sodium Heparin (use REPLY CODE A9461)
A9516	SODIUM OXALATE
B3086	SODIUM POLYANETHOL SULFATE
B2680	SODIUM SEQUESTRENE
A9993	THYMOL
B2681	TRIPOTASSIUM ETHYLENEDIAMINETETRAACETATE MONOHYDRATE

Table 6 - CONTROL TYPES
CONTROL TYPES

<u>REPLY CODE</u>	<u>REPLY (AL37)</u>
A	ANY ACCEPTABLE
AEZ	AUXILIARY HEATER SWITCH
AFF	BLEEDER VALVE
ACQ	CENTRIFUGAL BLOWER
ACR	CIRCULATING FAN
ACS	EXHAUST FAN
AFA	HEATER SELECTOR SWITCH
ACT	HUMIDITY APPARATUS
AEX	LINE SWITCH
ACW	MAIN SWITCH
AEY	MOTOR SWITCH
ACX	ON-OFF SWITCH
ACY	OVER-TEMPERATURE
ACZ	PILOT LIGHT
ADA	REFRIGERATION APPARATUS
ADB	RELAY CIRCUIT
ADC	SAFETY CONTROL W/ALARM BUZZER
AFB	SELECTOR SWITCH

<u>REPLY CODE</u>	<u>REPLY (AL37)</u>
ADD	TEMPERATURE
AFC	TEMPERATURE CONTROL DIAL
ADE	TEMPERATURE RECORDER
AFD	THERMOMETER
ADF	THERMOMETER-REGULATOR
ADG	THERMOSTAT
ABG	TOGGLE SWITCH
AFG	VACUUM GAGE
AFE	VACUUM VALVE
ADH	VENTILATOR
ADJ	WATER GAGE

Table 7 - UNIT TYPES
UNIT TYPES

<u>REPLY CODE</u>	<u>REPLY (AK95)</u>
BPS	ADJUSTABLE
A	ANY ACCEPTABLE
AXA	BLAST
AXB	BUNSEN
AXC	CONICAL
AXD	FISHER
CMM	FLAT JAW
AXE	FLETCHER
BBZ	HINGED JAW
ANM	LEVER
AXF	MEKER
AXG	MICRO
AXH	ONE-TIME CATHETER
BDB	OPEN SIDE
ADV	OSCILLATING
AXJ	PINCHCOCK
AXK	PITTSBURGH UNIVERSAL
AXL	PRECISION H TEMP
AXR	RECIPROCATING
BAH	ROTARY
AXS	ROTATING
AXM	SCREW COMPRESSOR
BLZ	SLIDE
CMN	SWIVEL JAW
AXN	TIRRILL
AXP	TRUNNION PIN
AXQ	TRUNNION SLOT

Table 8 - SURFACE TREATMENTS
SURFACE TREATMENTS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
AN0000	ANODIZED
A	ANY ACCEPTABLE
APG000	BLACK ASPHALT
BBE000	BLACK CHEMICAL
CDR000	CADMIUM PLATED
CRA000	CHROMIUM PLATED
CUAH00	COPPER COATED
ENF000	ENAMEL, BLACK
ENH000	ENAMEL, GRAY
ENC000	ENAMELED
FN0000	FINISH, BRIGHT
GB0000	GALVANIZED
NR0000	NATURAL
NFG000	NICKEL PLATED
PS0000	PASSIVATED
PH0000	PHOSPHATE
PCAAAX	PLASTIC, VINYL
RCA000	RUBBER COATED
SN0000	TIN
VA0000	VARNISHED
ZN0000	ZINC

Table 9 - DESIGN DESIGNATIONS
DESIGN DESIGNATIONS

<u>REPLY CODE</u>	<u>REPLY (AJ50)</u>
EFF	COBE DALE GUARD
BSZ	COORS
BPA	DAY
AFB	DENTAL
BPC	FISHER CASTALOY
BPD	HOFFMEN
EFG	HOSECOCK
BPF	MOHR
BPH	WEDGEWOOD

Table 10 - CHAMBER TYPES
CHAMBER TYPES

<u>REPLY CODE</u>	<u>REPLY (AL05)</u>
AAH	ACCOUSTICAL
AAJ	ALTITUDE
AAK	ANECHOIC
AAL	DEEP SEA
AAM	EXPLOSIVE
AAN	FLAMMABILITY

<u>REPLY CODE</u>	<u>REPLY (AL05)</u>
AAP	HUMIDITY
AAQ	OZONE
AAR	PRESSURE
AAS	SALT SPRAY
AAT	SAND/DUST
AAU	TEMPERATURE
AAV	THERMAL SHOCK
AAW	VIBRATION
AAX	WEATHER

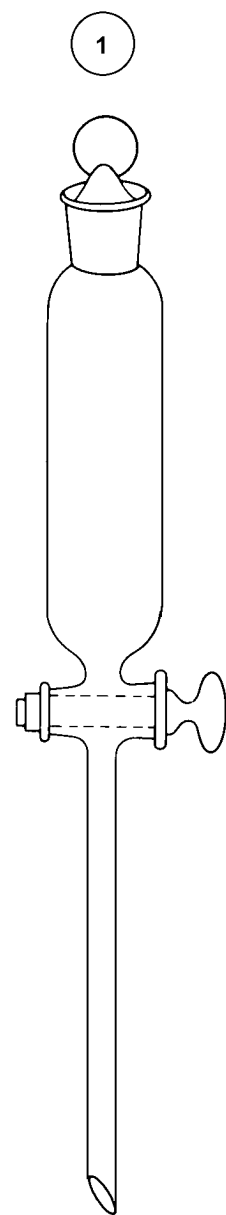
Reference Drawing Groups

REFERENCE DRAWING GROUP A.....	231
REFERENCE DRAWING GROUPS B THROUGH D Tables.....	233
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REFERENCE DRAWING GROUP G.....	245
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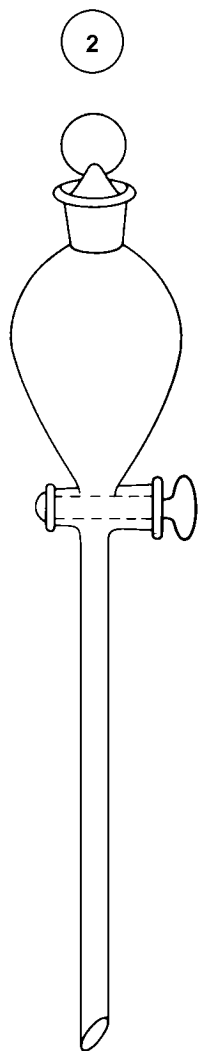
REFERENCE DRAWING GROUP A

SEPARATORY FUNNELS

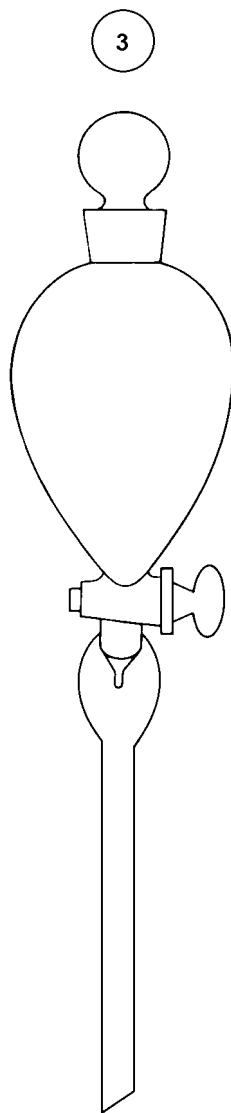
(No Requirements)



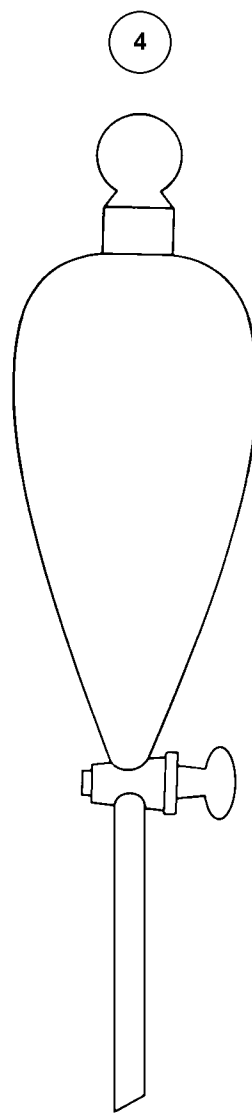
CYLINDRICAL,
W/STOPPER
AND STOPCOCK



GLOBE,
W/STOPPER
AND STOPCOCK



GLOBE,
W/STOPPER
AND STOPCOCK,
BULBAR STEM



SQUIBB,
W/STOPPER
AND STOPCOCK

REFERENCE DRAWING GROUPS B THROUGH D Tables
BODY STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the joint size in clear text. (e.g., BQLKG24/40 STD TAPER JOINT SIZE*)

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
------------	------------------	--------------------------

BQLK	G	VAPOR INLET JOINT SIZE
------	---	------------------------

BQLL	G	CONDENSER OUTLET JOINT SIZE
------	---	-----------------------------

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.
(e.g., BQLMJAA1.000*; BQLMJLA25.4*; BQLMJAB2.495\$\$JAC2.503*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

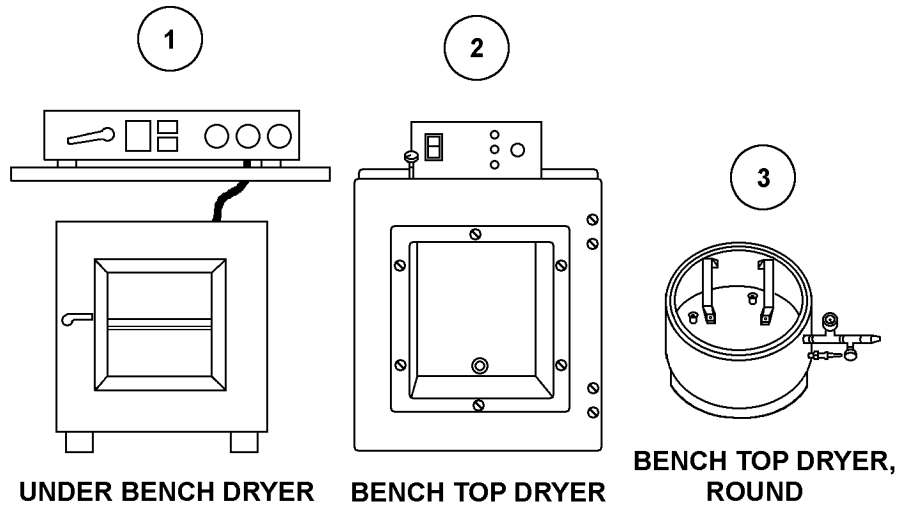
<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
------------	------------------	--------------------------

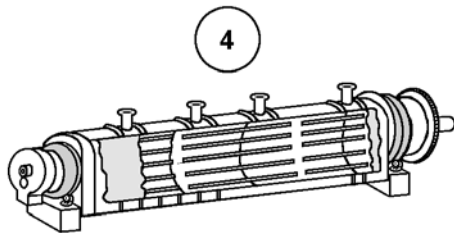
BQLM	J	JACKET LENGTH
------	---	---------------

REFERENCE DRAWING GROUP B

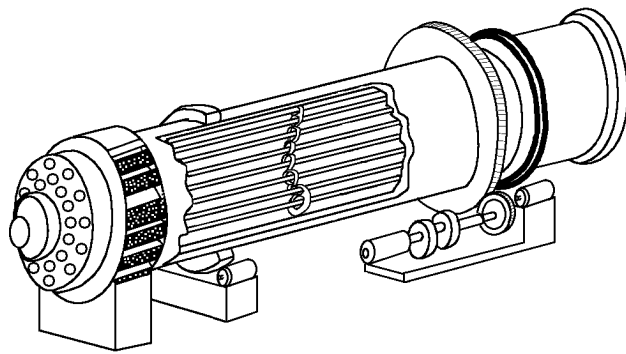
DRYING CHAMBER STYLES

(No Requirements)

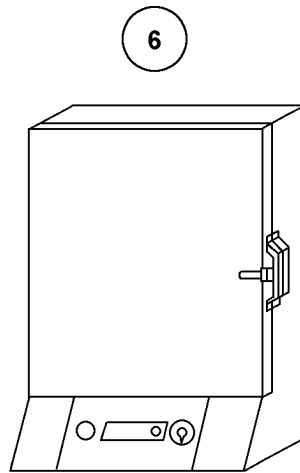




INDIRECT HEAT, ROTARY DRYER



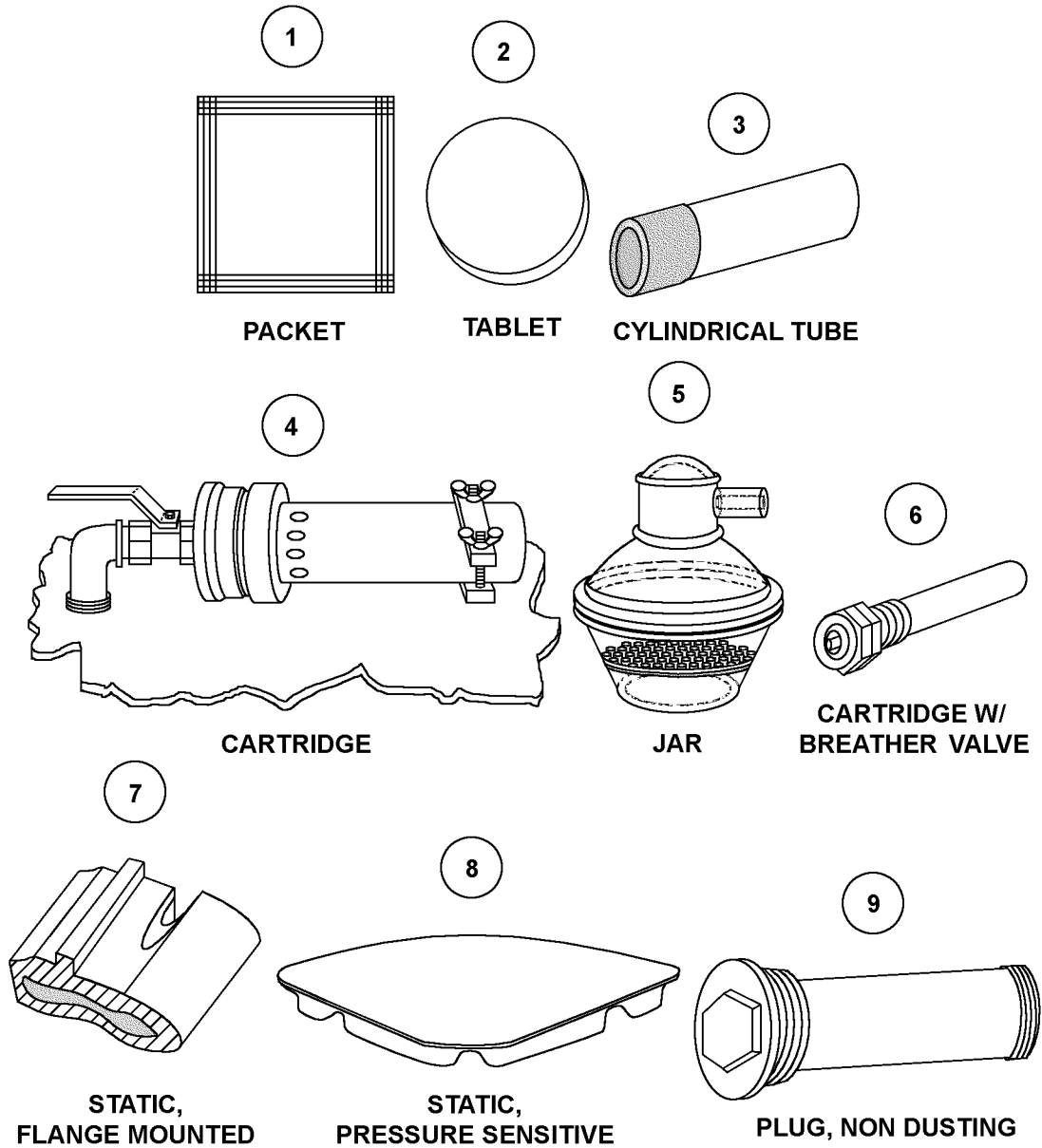
STEAM TUBE DRYER



FORCED AIR W/ RACKS

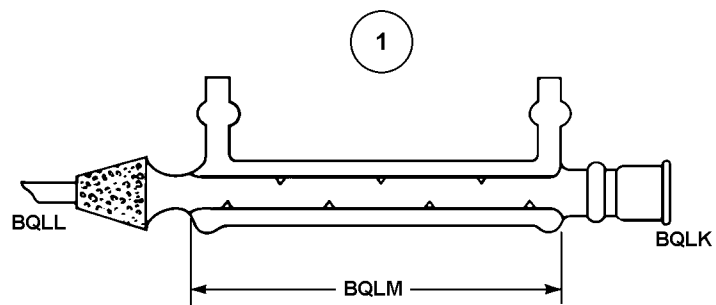
REFERENCE DRAWING GROUP C

DESICCANT DESIGNATOR STYLES

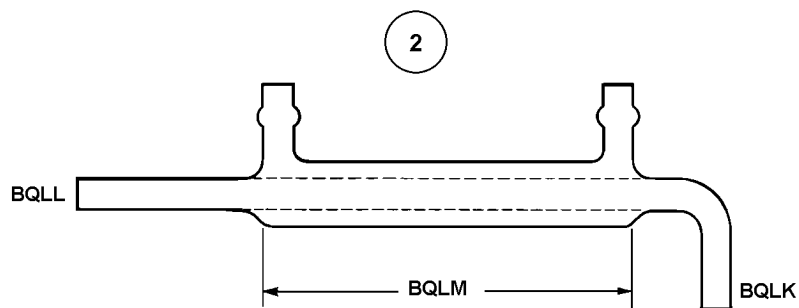


REFERENCE DRAWING GROUP D

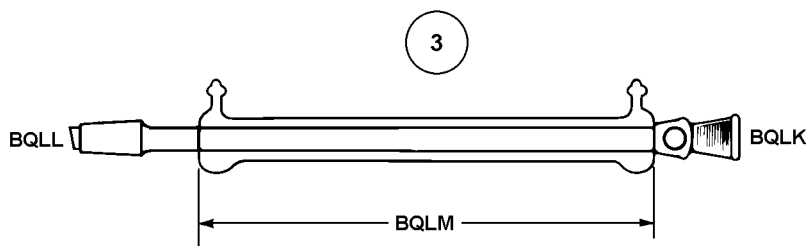
LABORATORY CONDENSERS



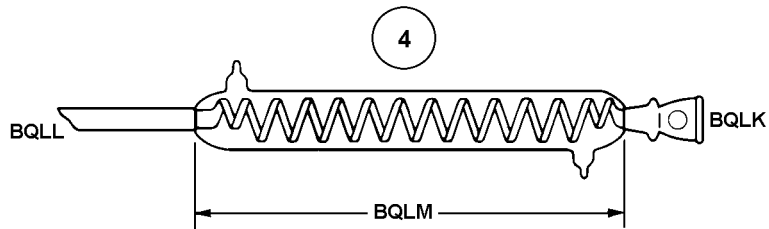
WEST TYPE, DRIP TIP, INNER AND OUTER JOINTS



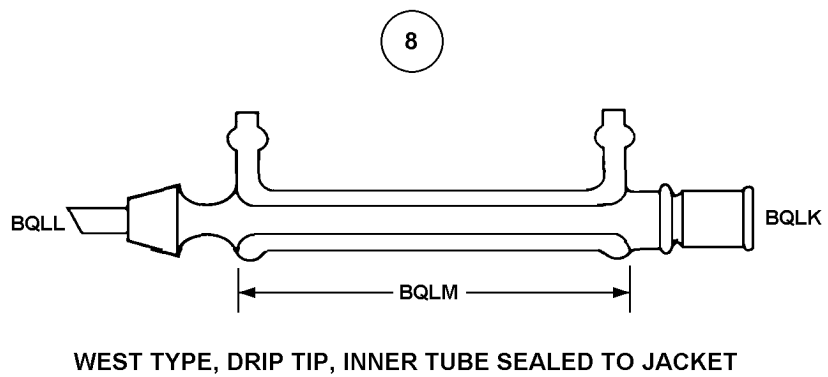
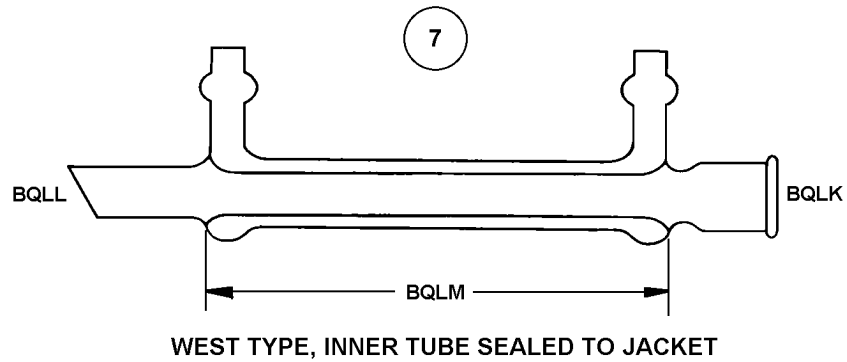
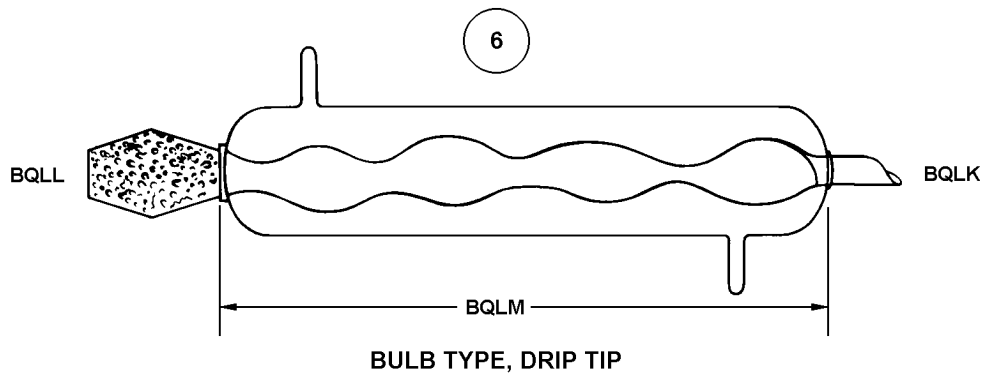
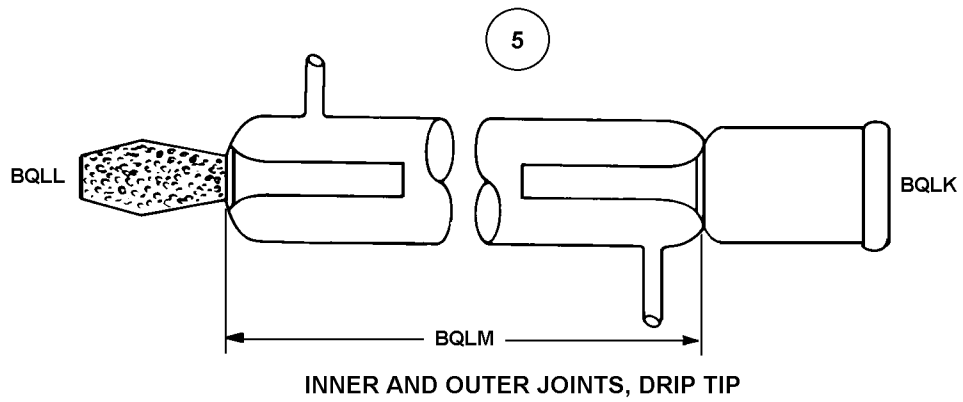
WEST TYPE

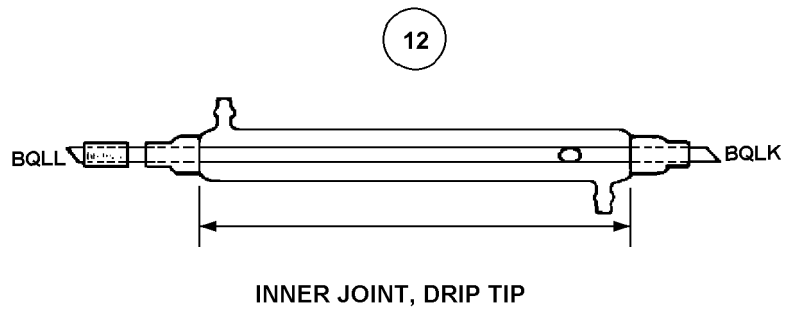
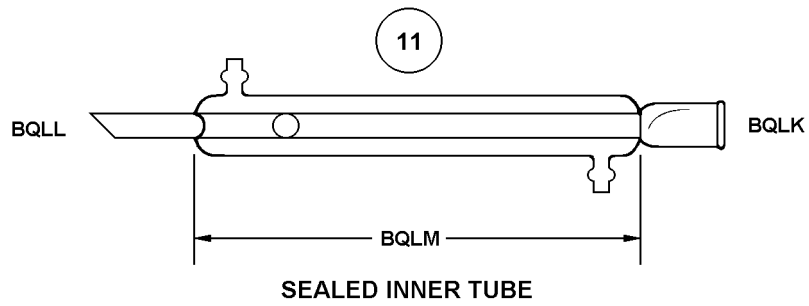
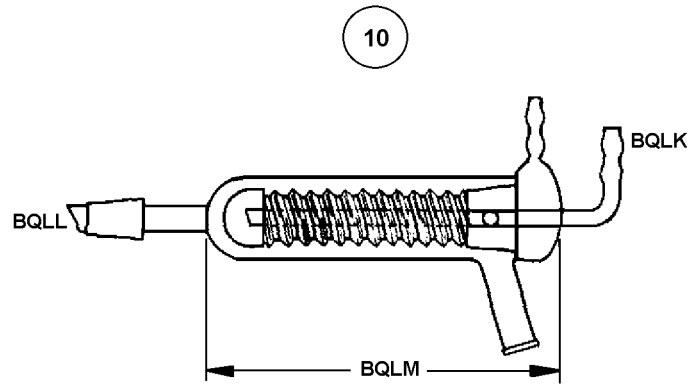
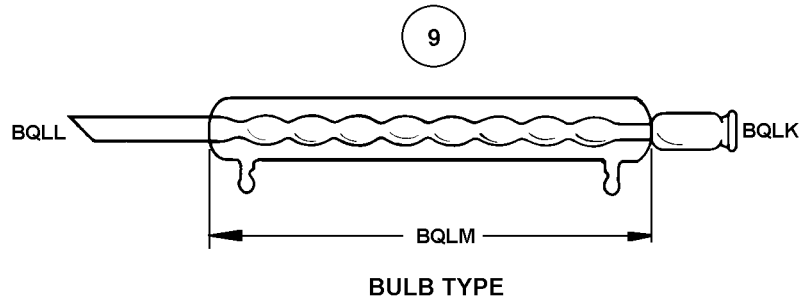


SEALED INNER TUBE, DRIP TIP



COIL TYPE

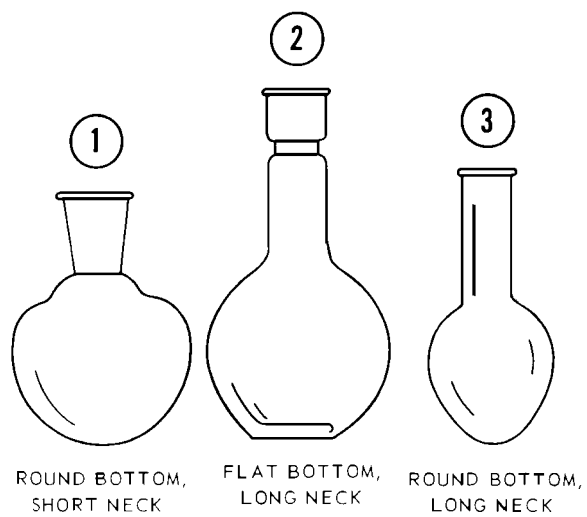




REFERENCE DRAWING GROUP E

BOILING FLASKS

(No Requirements)



REFERENCE DRAWING GROUPS F THROUGH K Tables

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA1.000*; AARXJLA25.4*; AARXJAB2.495\$\$JAC2.503*)

NOTE: For MRC ABWJ, enter the applicable Reply Code from Tables 1 and 2 below, followed by the numeric value. (e.g., AARXJAA1.000*; AARXJLA25.4*; AARXJAB2.495\$\$JAC2.503*)

For Reference Drawing Group F, give dimensions for longest end first if ends are not identical for styles 2 and 3.

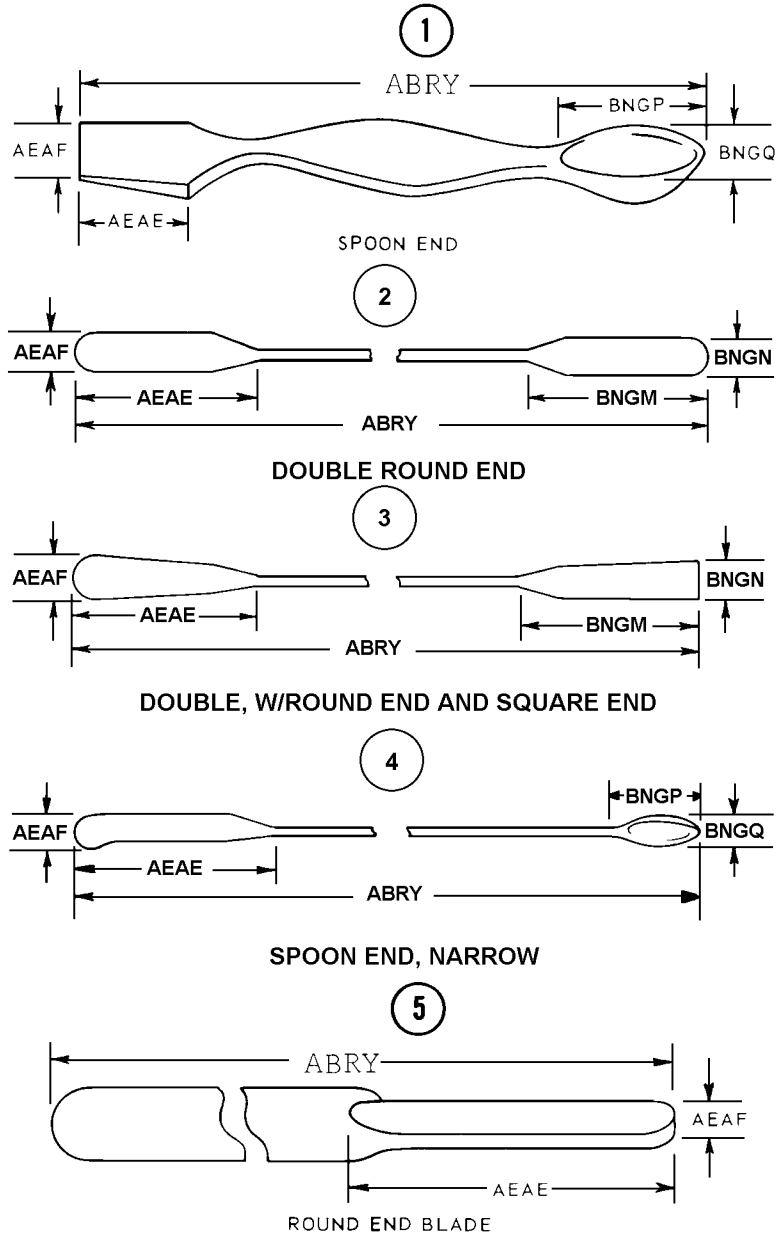
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

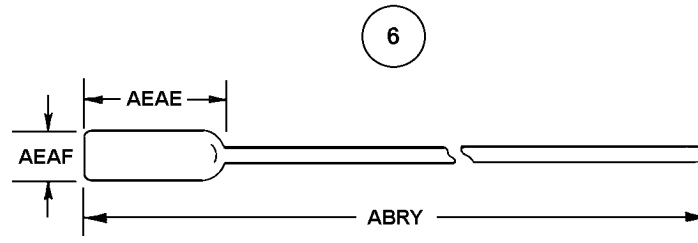
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

<u>MRC</u>	<u>Mode Code</u>	<u>Name of Dimension</u>
AARX	J	INSIDE DIAMETER
ABKV	J	OUTSIDE DIAMETER
ABRY	J	LENGTH
ABWJ	J	ITEM ACCOMMODATED MAXIMUM DIAMETER
AEAE	J	BLADE LENGTH
AEAF	J	BLADE WIDTH
BNGM	J	SECOND BLADE LENGTH
BNGN	J	SECOND BLADE WIDTH
BNGP	J	SPOON LENGTH
BNGQ	J	SPOON WIDTH

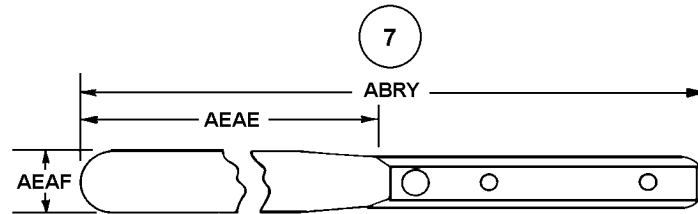
REFERENCE DRAWING GROUP F

LABORATORY SPATULAS

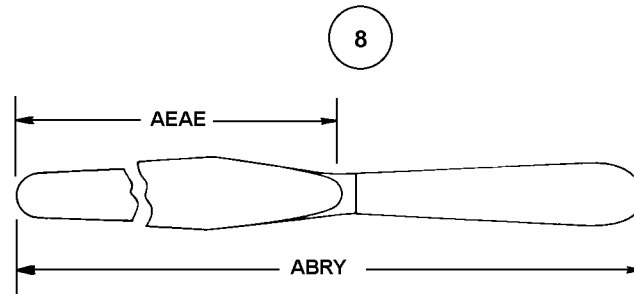




SINGLE



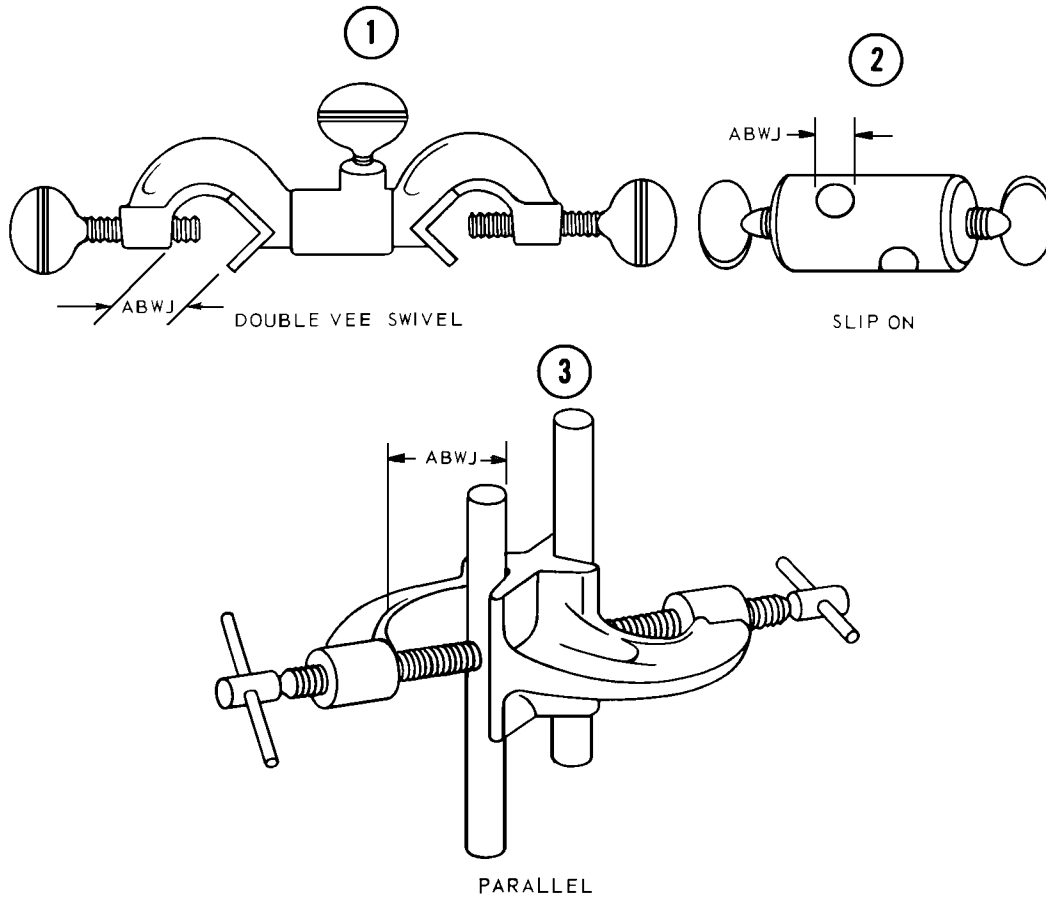
WIDE BLADE

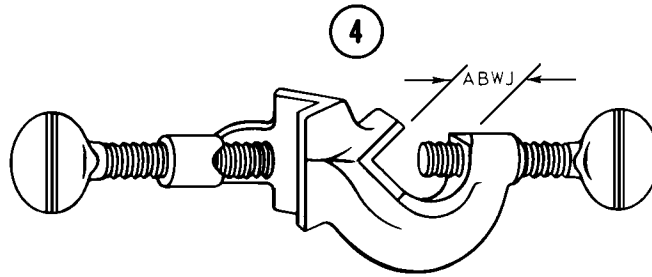


NARROW, TAPERED, FLEXIBLE

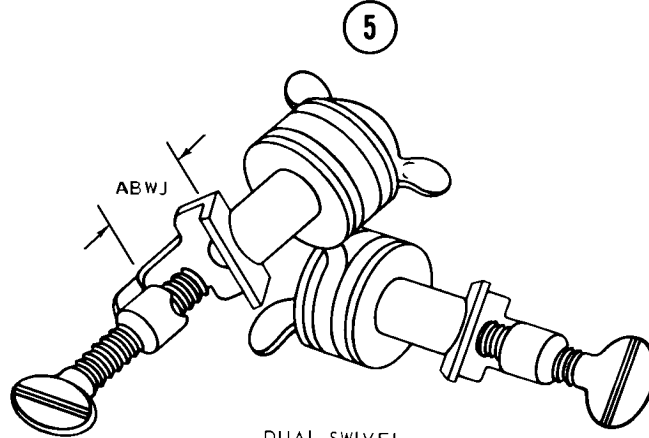
REFERENCE DRAWING GROUP G

LABORATORY SUPPORT ROD CLAMPS





V CLAMP HOLDER

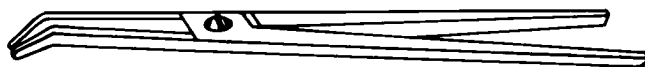


DUAL SWIVEL

REFERENCE DRAWING GROUP H

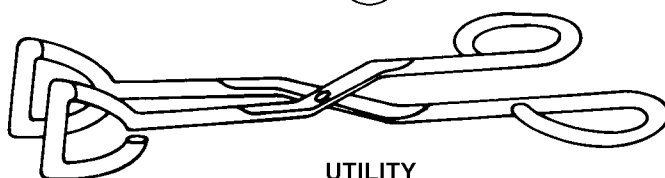
LABORATORY TONGS

1



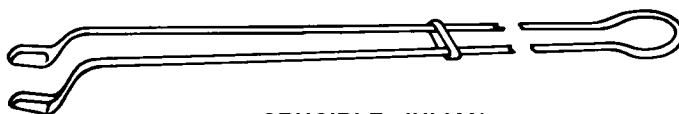
CRUCIBLE, SINGLE BENT

2



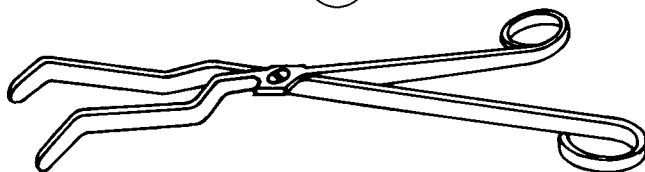
UTILITY

3



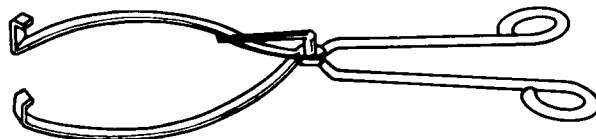
CRUCIBLE, JULIAN

4



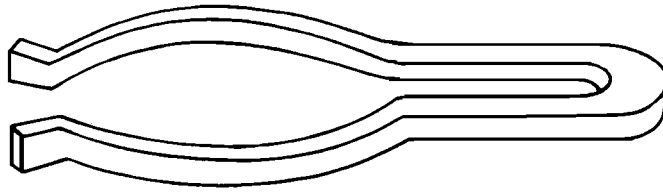
CRUCIBLE, DOUBLE BENT

5



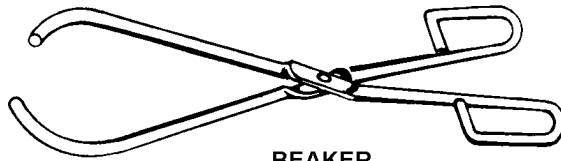
DISH

6



SPRING TENSION

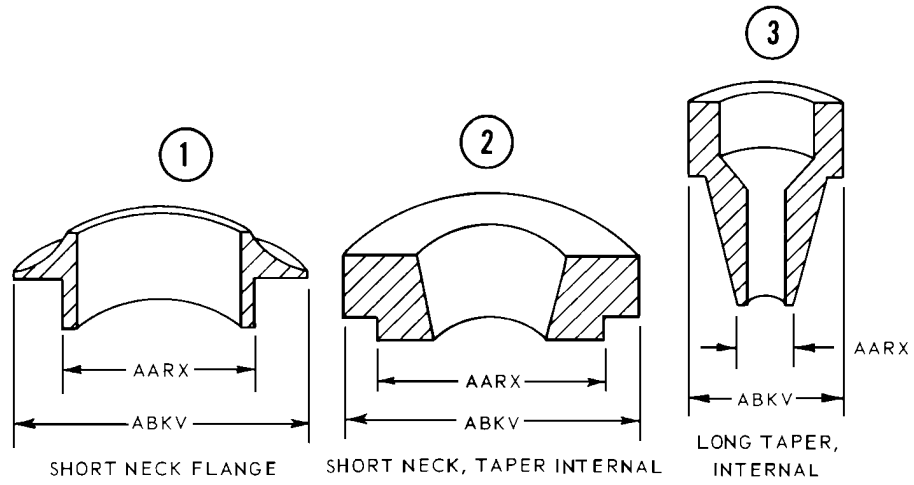
7



BEAKER

REFERENCE DRAWING GROUP J

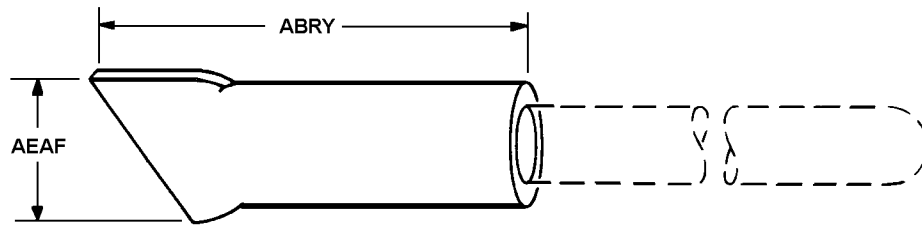
FILTERING CRUCIBLE HOLDERS



REFERENCE DRAWING GROUP K

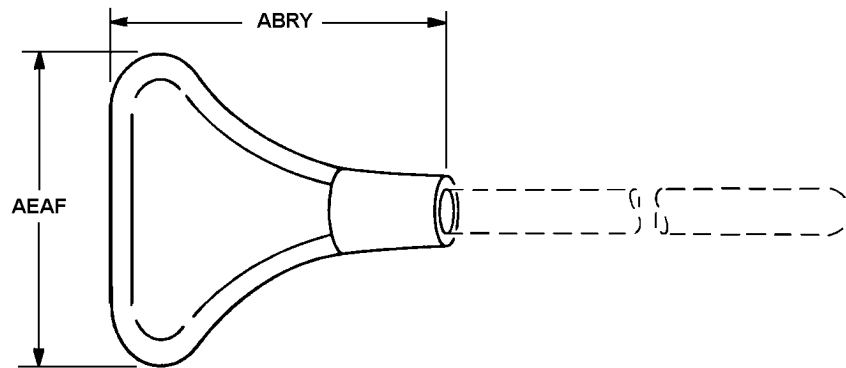
LABORATORY SCRAPERS

1



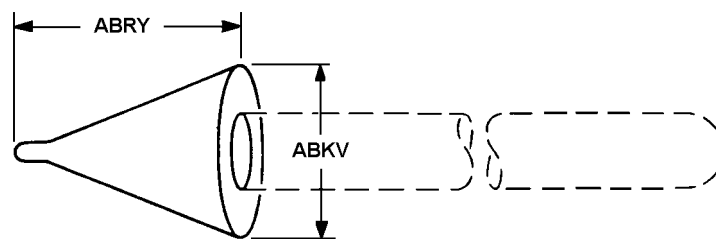
DIAGONAL END

2



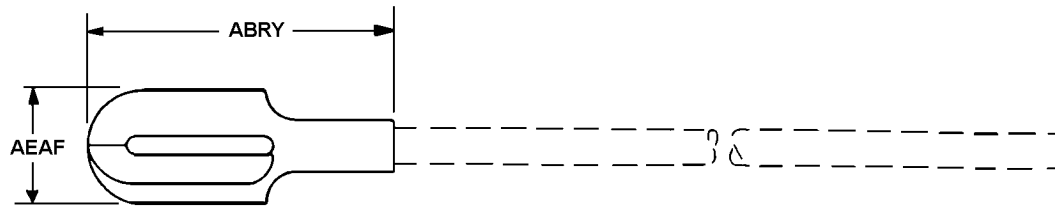
TRIANGULAR END

3



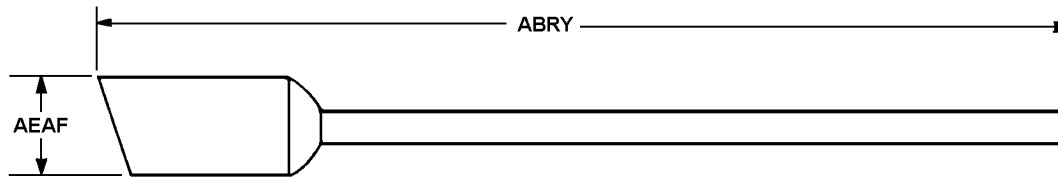
CONICAL END

4



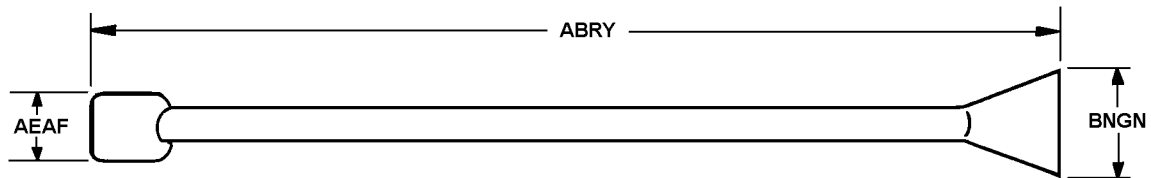
ROUNDED END W/FOUR LATERAL FINS

5



DIAGONAL END W/INTEGRAL HANDLE

6



DOUBLE, W/SQUARE END AND TRIANGULAR END

Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART	253
INCH TO DECIMAL OF A FOOT CONVERSION CHART	254
CELSIUS-FAHRENHEIT CONVERSION TABLE	254
OUNCE TO DECIMAL OF A POUND CONVERSION CHART	256

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APPENDIX C

STANDARD FRACTION TO DECIMAL CONVERSION CHART

<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>	<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	-----	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	-----	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	-----	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	-----	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	-----	.281	.2812				25/32	-----	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	-----	.344	.3438				27/32	-----	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	-----	.406	.4062				29/32	-----	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	-----	.469	.4688				31/32	-----	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

INCH TO DECIMAL OF A FOOT CONVERSION CHART

NOTE: For inches, select inches 0 through 11 from left to right top of chart, read decimal equivalent in column directly below.

<u>Fraction of inch</u>	<u>INCHES</u>											
	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>
0	0.000	0.083	0.167	0.250	0.333	0.417	0.500	0.583	0.667	0.750	0.833	0.917
1/16	.005	.089	.172	.255	.339	.422	.505	.589	.672	.755	.839	.922
1/8	.010	.094	.177	.260	.344	.427	.510	.594	.677	.760	.844	.927
3/16	.016	.099	.182	.266	.349	.432	.516	.599	.682	.766	.849	.932
1/4	.021	.104	.188	.271	.354	.438	.521	.604	.688	.771	.854	.938
5/16	.026	.109	.193	.276	.359	.443	.526	.609	.693	.776	.859	.943
3/8	.031	.115	.198	.281	.365	.448	.531	.615	.698	.781	.865	.948
7/16	.037	.120	.203	.287	.370	.453	.537	.620	.703	.787	.870	.953
1/2	.042	.125	.208	.292	.375	.458	.542	.625	.708	.792	.875	.958
9/16	.047	.130	.214	.297	.380	.464	.547	.630	.714	.797	.880	.964
5/8	.052	.135	.219	.302	.385	.469	.552	.635	.719	.802	.885	.969
11/16	.057	.141	.224	.307	.391	.474	.557	.641	.724	.807	.891	.974
3/4	.063	.146	.229	.313	.396	.479	.563	.646	.729	.813	.896	.979
13/16	.068	.151	.234	.318	.401	.484	.568	.651	.734	.818	.901	.984
7/8	.073	.156	.240	.323	.406	.490	.573	.656	.740	.823	.906	.990
15/16	.078	.162	.245	.328	.412	.495	.578	.662	.745	.828	.912	.995

CELSIUS-FAHRENHEIT CONVERSION TABLE

<u>CONVERTED TO CELSIUS</u>	<u>TEMP READING</u>	<u>CONVERTED TO FAHRENHEIT</u>
-62.2	-80	-112.0
-56.7	-70	-94.0
-51.1	-60	-76.0
-45.6	-50	-58.0
-40.0	-40	-40.0
-34.4	-30	-22.0
-31.7	-25	-13.0
-28.9	-20	-4.0
-26.1	-15	+5.0
-23.3	-10	14.0
-20.6	-5	23.0
-17.8	0	32.0
-15.0	5	41.0

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-12.22	10	50.0
-9.44	15	59.0
-6.67	20	68.0
-3.89	25	77.0
-1.11	30	86.0
1.67	35	95.0
4.44	40	104.0
7.22	45	113.0
10.00	50	122.0
12.78	55	131.0
15.56	60	140.0
18.33	65	149.0
21.11	70	158.0
23.89	75	167.0
26.67	80	176.0
29.44	85	185.0
32.22	90	194.0
35.00	95	203.0
37.78	100	212.0
40.56	105	221.0
43.33	110	230.0
46.11	115	239.0
48.89	120	248.0
51.67	125	257.0
54.44	130	266.0
57.22	135	275.0
60.00	140	284.0
65.56	150	302.0
71.11	160	320.0
76.67	170	338.0
82.22	180	356.0
87.78	190	374.0
93.33	200	392.0
98.89	210	410.0
104.44	220	428.0
110.00	230	446.0
115.56	240	464.0
121.11	250	482.0
126.67	260	500.0
132.22	270	518.0
137.78	280	536.0
143.33	290	554.0
148.89	300	572.0
154.44	310	590.0
160.00	320	608.0
165.66	330	626.0

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171.11	340	644.0
176.67	350	662.0
182.22	360	680.0
187.78	370	698.0
193.33	380	716.0
198.89	390	734.0
204.44	400	752.0
210.00	410	770.0
215.56	420	788.0
221.11	430	806.0
226.67	440	824.0
232.22	450	842.0
237.78	460	860.0
243.33	470	878.0
248.89	480	896.0
254.44	490	914.0
260.00	500	932.0
265.56	510	950.0
271.11	520	968.0
276.67	530	986.0
282.22	540	1004.0
287.78	550	1022.0

The middle column of figures contains the reading (|SDF or |SDC) to be converted. If converting from degrees Fahrenheit to degrees Celsius, read the Celsius equivalent in the column headed "Converted to Celsius". If converting from Celsius to Fahrenheit, read the Fahrenheit equivalent in the column headed "Converted to Fahrenheit".

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

<u>OUNCES</u>	<u>POUNDS</u>
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688

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<u>OUNCES</u>	<u>POUNDS</u>
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective May 7, 2010

This change replaced with ISAC or and/or coding.